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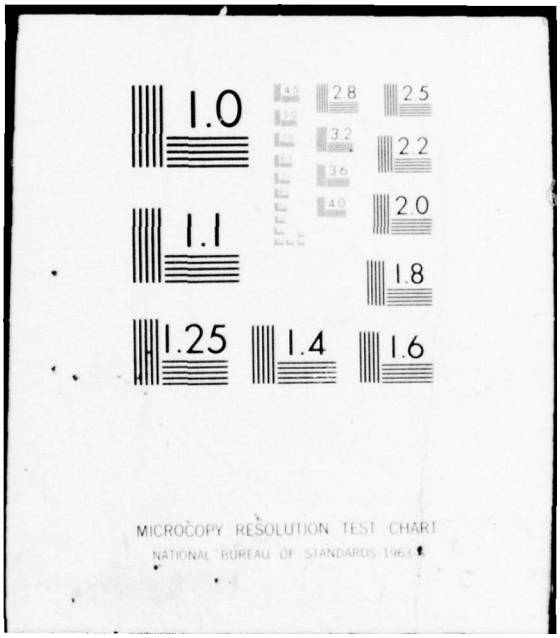
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MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS 1963

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ESD-TR-77-18

MTR 3350

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VOLUME II

FEBRUARY 1977

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AIR FORCE DATA AUTOMATION AGENCY
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ELECTRONIC SYSTEMS DIVISION
AIR FORCE SYSTEMS COMMAND
HANSCOM AFB, MA 01731

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THE MITRE CORPORATION
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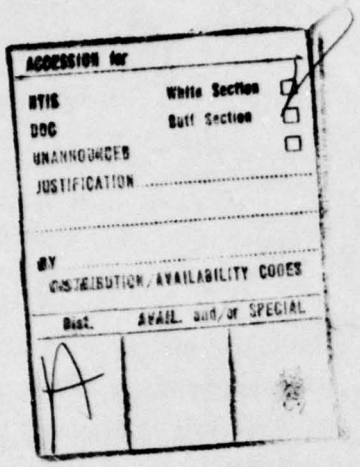

PREFACE

Users should address questions related to the subject of this report or to the possibility of extending the stated conclusions or recommendations to the Chief, Operations Research Division, AFDSDC.

REVIEWED BY

James I. Clogston

JAMES I. CLOGSTON
Ch, Operations Research Div
Directorate of Systems Technology

APPROVED FOR RELEASE

Bruce L. Fowler

BRUCE L. FOWLER, Colonel, USAF
Director of Systems Technology

REVIEW AND APPROVAL

This technical report has been reviewed and approved for ESD publication.

David C. Peterson

DAVID C. PETERSON, Major, USAF
Project Officer

Walter W. Turgiss

WALTER W. TURGISS
Director of System Requirements
Deputy for AFWWMCCS

FOR THE COMMANDER

E. W. Milauckas

EDMUND W. MILAUCKAS, Colonel, USAF
Deputy for AFWWMCCS

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WWMCCS ADP

20. ABSTRACT (Continue on reverse side if necessary and identify by block number)

This report presents an overall description of the WWMCCS Multiprocessor Performance Evaluation task sponsored by the Deputy for Air Force WWMCCS, ESD, during FY76. This task involved the collection and analysis of empirical data from controlled performance tests using synthetic workloads on WWMCCS H6000 computer systems comprised of from one to four central processing units. Volume I describes the rationale for initiating the task, the technical approach, the test results, and a

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20. Abstract (continued)

summary of limitations, observations and applicability. Appendix 1 of Volume 1 documents an independent verification of the results performed by the AFDSDC. Volume II contains only detailed test data.

The goal of the task was to determine the relative throughput of several different H6000 multiprocessor configurations for different types of workloads. This information can be used by planners when trying to determine the best way to satisfy increasing workload requirements for existing WWMCCS computer systems.

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SECTION I

INTRODUCTION

This volume of the WWMCCS H6000 Multiprocessor Performance Evaluation - Final Report contains only detailed test data. The data is included for the benefit of technicians who may wish to perform additional analysis.

Volume I of this report describes the rationale for initiating the task, the technical approach, the test results, and observations, conclusions, and recommendations resulting from the task.

APPENDIX I

LISTING OF WMPE START-UP DECK

```
DATE  05-10-76                                                    UNCLASSIFIED

CDPRT 01  05-10-76   17.613                          LISTING OF BCD CARDS

$CONFIG       W.M.P.E.  PHOENIX ARIZONA
$       SYID     DSCC1,6,2,1
$       TRACE    0,0
$       MCT-0    256,PORT-0,IOM-0,PORT-1,IOM-1,PORT-4,PRO-0
$       IOM-1    PUB-31,CONSOLE,TY1,TY2,TY3,TY4
$       IOM-0    PUB-8,DISC*191,UNITS-3,NONSEQ,
$       ETC      UNIT-1,ST1,DP1,
$       ETC      UNIT-2,DP2,
$       ETC      UNIT-3,DP3
$       IOM-0    PUB-12,TAPE*MPC9,UNITS-5,NONSEQ,UNIT-2,1T2,UNIT-3,1T3,
$       ETC      UNIT-4,1T4,UNIT-5,1T5,UNIT-6,1T6
$       IOM-0    PUB-20,READER*200,CR2
$       IOM-0    PUB-30,PRINTER,PR2
$       IOM-1    PUB-8,DISC*191,UNITS-3,NONSEQ,
$       ETC      UNIT-4,DP4,
$       ETC      UNIT-5,DP5,
$       ETC      UNIT-6,DP6
$       IOM-1    PUB-20,READER*200,CR1
$       IOM-1    PUB-30,PRINTER,PR1
$       IOM-0    PUB-31,CONSOLE
$       XBAR     IOM-0,PUB-8,IOM-1,PUB-10,IOM-1,PUB-11,IOM-0,PUB-9
$       XBAR     IOM-1,PUB-8,IOM-0,PUB-10,IOM-0,PUB-11,IOM-1,PUB-9
$       XBAR     IOM-0,PUB-12,PUB-14,PUB-15,PUB-13
$       MPC-0    SIZE-4,PSI-0,IOM-0,PUB-08,PUB-9,PSI-2,IOM-1,PUB-10,PUB-11
$       MPC-1    SIZE-4,PSI-0,IOM-1,PUB-8,PUB-9,PSI-2,IOM-0,PUB-10,PUB-11
$       MPC-2    SIZE-4,PSI-0,IOM-0,PUB-12,PUB-13,PSI-2,PUB-14,PUB-15
$       GCOSFIL  ST1,DP1,DP2,DP3,DP4,DP5,DP6
$       DECKFIL  DP4,600/0
$       INFO     SLTAPE/0,SLINKS/500,SYSOUT/50000,MEMORY/50,SLTIME/0200
$       INFO     ASCII,TRAIN/2
$       INFO     EXTM/YES,RLP
$       INFO     ROLLCALL/PR1
$       INFO     LINES/28
$       AUTOLD   ST1,600 LLINKS
***EOF
$INITIALIZE
$       INIT     ST1,CAT,DP2,CAT,DP3,CAT,DP4,CAT,DP5,CAT,DP6,CAT
$       READIN   1T4,,,,DENB
***EOF
$EDIT
$       FILDEF   ST1,GCOS-MIXUSE,150/0,SYS,1T2
$       FILDEF   ST1,IND-INSERT,/20/0,SYS,*
$       FILDEF   DP2,SOFTW-SYSLIB,800/0,RDM,*
$       FILDEF   DP3,GECOS-HI-USE,800/0,SYS,*
$       FILDEF   DP4,GECOS-LO-USE,2000/0,SYS,*
$       FILDEF   DP5,T-AND-D,900/0,SYS,*
$       FILDEF   DP5,TSS-SUB-SYS,900/0,SYS,*
$       FILDEF   DP6,SOFTW-PRIME,1500/0,SYS,*
$       FILDEF   ST1,SOFTW-SECOND,3200/0,SYS,*
$       FILDEF   DP6,DMS-SOFTW,2200/0,SYS,*
$       FILDEF   DP3,LUMP,120
$       FILDEF   DP1,BACKDOOR,12
$       FILDEF   DP1,SYOU1,9000
$       FILDEF   DP5,SYOU2,9000
$       FILDEF   DP6,SYOU3,9000
$       FILDEF   ST1,PRINTIMAGE,24/0

USERID  OPNSUTIL                                                  UNCLASSIFIED
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DATE  05-10-76                                                    UNCLASSIFIED

CDPRT 01  05-10-76   17.613                          LISTING OF BCD CARDS

$       SSFILE  DP1,MAX/35,MIN/10,.TASK/10,.TRANS/10,
$       ETC     .EXPRS/10/20,.HOLD/10,.NORM/10/35
***EOF
$FILES
$       SYSTEM  GCOS-xMIXUSE,
$       ETC     TND-INSERT,
$       ETC     GECOS-HI-USE,
$       ETC     GECOS-LO-USE,
$       ETC     T-AND-D,
$       ETC     TSS-SUB-SYS,
$       ETC     SOFTW-PRIME,
$       ETC     SOFTW-SECOND,
$       ETC     DMS-SOFTW
$       LIBRARY RDM,SOFTW-SYSLIB
$       PFILES  LUMP
$       PFILES  DMS-SOFTW
$       PFILES  BACKDOOR
$       SYSOUT  SYOU1,SYOU2,SYOU3
$       SAVE    LUMP
$       ACCOUNT RMV,1T3,IDS,BUFSIZE/1600,CONCUR
$       ACCBUF  000000000000,777777777777,36
***EOF
$PATCH    6.2.1  AS OF  04 DEC 75
107     OCTAL   7710204                                                 .MALC5
335     OCTAL   5710204                                                 .MALC6
430     OCTAL   472323000220    PCC02                                   .MGNAT
431     OCTAL   306606020020    HW620                                   .MGNAT
432     OCTAL   306606020120    HW621                                   .MGNAT
433     OCTAL   475106011120    PR619                                   .MGNAT
434     OCTAL   475106020020    PR620                                   .MGNAT
027735  OCTAL   000005236003       LDQ   LCKCR,DU      6.2.0LOGN50804#201.MLOGN J
777     OCTAL   507120751002    TRAX SIZE URGC SSA      6.2.0POPR50709#202.MPOPR J
117     OCTAL   50              .TFMAX MAX TSS USERS    6.2.0TSSA41202#203.MTIMS 0
171     OCTAL   120             .TAMMS 80K MAX SIZE     6.2.0TSSA41202#204.MTIMS 0
001656  OCTAL   000010710004       IGNORE GNAT          6.2.0GEIN5071?#205.MGEIN J
116     OCTAL   30000000        .T760 # 760 USERS       6.2.0TSSA41202#206.MTIMS 0
100     OCTAL   004000000000    ALC1 SITE OPTION        6.2.0ALC141202#207.MALC1 0
003250  OCTAL   003526603000       TRC   NEXT          6.2.0ALC150805#208.MALC1 J
000120  OCTAL   120           TIME FREQ. FOR TSS ACCT.  6.2.0TSSA50710#209.MTIMS J
000330  OCTAL   1             TSS SUBSYS SWITCH ON      6.2.0TSSA50710#209.MTIMS J
026003  OCTAL   360000000000  PRINT/PUNCH ACTY CORE URG 6.2.0ALC150805#210.MALC1 J
000476  OCTAL   144141166145    MASA(WASSO) FUNCTION    6.2.0TMAS50805#211.TSM19 J
000477  OCTAL   163152157142    PASSWORD                6.2.0TMAS50805#211.TSM19 J
000511  OCTAL   155151153145    MASB(6PNS) FUNCTION     6.2.0TMAS50805#212.TSM19 J
000512  OCTAL   163152157142    PASSWORD                6.2.0TMAS50805#212.TSM19 J
333     OCTAL   4               .TSSF # OF SWAP FILES   6.2.0TSSA41202#213.MTIMS J
331     OCTAL   2260            .TSFS MIN SIZE SWPFL    6.2.0TSSA41202#214.MTIMS J
332     OCTAL   000454000000    TSS SWAP FILE GROW FACT6.2.0TSSA41202#214.MTIMS J
0       OCTAL   600000400000    I/O AND TSS PRIORITY    6.2.0DISP50709#215.MDISP
1       OCTAL   636262202000    TSS GIVEN PRIORITY B    6.2.0DISP50709#215.MDISP
172     OCTAL   120000000000    TSS MIMIMUM MEMORY SIZE6.2.0TSSA50709#216.MTIMS J
0       OCTAL   1               SYS CRASH SSA FAULT     6.2.0FALT41202#219.MFALT 0
2       OCTAL   100000100000    CRASH TSS GELBAR        6.2.0FALT41202#220.MFALT J
015130  OCTAL   015131000025    TSS MESS...2 LINES      6.2.0TSSJ50801#221.MTIMS J
0       OCTAL   000000000400 WHERE XXXX > 400 TO 6777   6.2.0POPM50426#222.MPOPM J
12344   OCTAL   14633600000       TZE NORMAL JOB     910L6.2.1GENB50909#356.MGENB J

USERID  OPNSUTIL                                                  UNCLASSIFIED
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```
12345  OCTAL   123777210000    LXL1 MASBUF<1          910L6.2.1GENB50909#356.MGENB J
12346  OCTAL   4101003         CMPX1 4,DU ENP#        910L6.2.1GENB50909#356.MGENB J
12347  OCTAL   146506020000    TNC M-S-L JOB          910L6.2.1GENB50909#356.MGENB J
12350  OCTAL   36001000        MME .EMM               910L6.2.1GENB50909#356.MGENB J
12351  OCTAL   45325016        LDA .SNUMB,6           910L6.2.1GENB50909#356.MGENB J
12352  OCTAL   123537150000    TSS *<1                910L6.2.1GENB50909#356.MGENB J
12353  OCTAL   153667550000    STA MSG(SNUMB)         910L6.2.1GENB50909#356.MGENB J
12354  OCTAL   123774500000    STZ MASBUF<1           910L6.2.1GENB50909#356.MGENB J
12355  OCTAL   147237100000    TRA ERROR              910L6.2.1GENB50909#356.MGENB J
14627  OCTAL   123447100000    TRA PATCH              910L6.2.1GENB50909#356.MGENB J
2265   OCTAL   003142605004        TPL   P1               6.2.2RTWW51212#416.MRTWW J
3211   OCTAL   002221500004        TZE   P2               6.2.2RTWW51212#416.MRTWW J
3627   OCTAL   001574/10004        TRA   P3               6.2.2RTWW51212#416.MRTWW J
5423   OCTAL   000010/01004   P1   TSX1  P4               6.2.2RTWW51212#416.MRTWW J
5424   OCTAL   774/14/10004        TRA   M1/B             6.2.2RTWW51212#416.MRTWW J
5425   OCTAL   000005106003   P2   CMPX6 5,DU             6.2.2RTWW51212#416.MRTWW J
5426   OCTAL   000002600004        TZE   2,IC             6.2.2RTWW51212#416.MRTWW J
5427   OCTAL   000004/01004        TSX1  P4               6.2.2RTWW51212#416.MRTWW J
5430   OCTAL   772/07/10004        TRA   RETMA            6.2.2RTWW51212#416.MRTWW J
5431   OCTAL   776207601004   P3   TNZ   M27ABT           6.2.2RTWW51212#416.MRTWW J
5432   OCTAL   776176621004        EAX1  M27D             6.2.2RTWW51212#416.MRTWW J
5433   OCTAL   002000235003   P4   LDA   GS.DNR,DU        6.2.2RTWW51212#416.MRTWW J
5434   OCTAL   000003315012        CANA  T.DCW,2          6.2.2RTWW51212#416.MRTWW J
5435   OCTAL   000000600011        TZE   0,1              6.2.2RTWW51212#416.MRTWW J
5436   OCTAL   000003655012        ERSA  T.DCW,2          6.2.2RTWW51212#416.MRTWW J
5437   OCTAL   000000/10011        TRA   0,1              6.2.2RTWW51212#416.MRTWW J
6555   OCTAL   003541/10204        TRA   PATCH            6.2.2DNWW51212#417.MDNWW J
12316  OCTAL   400000301203   PCH  CANX1 S.CON,DU         6.2.2DNWW51212#417.MDNWW J
12317  OCTAL   000002600204        TZE   *<2              6.2.2DNWW51212#417.MDNWW J
12320  OCTAL   000003255212        ORSA  T.DCW,2          6.2.2DNWW51212#417.MDNWW J
12321  OCTAL   774306/10204        TRA   R01A             6.2.2DNWW51212#417.MDNWW J
026312 OCTAL   000001220011       LDX0  CAVSCC,1          6.2.2GEOT51230#422.MGEOT J
026313 OCTAL   200000300003       CANX0 >0200000,DU       6.2.2GEOT51230#422.MGEOT J
026314 OCTAL   000003600004       TZE   3,IC              6.2.2GEOT51230#422.MGEOT J
012721 OCTAL   012472627000       EAX7  DISCCC            6.2.2LOGN51230#426.MLOGN J
3674   OCTAL   000360000000         SEE MIKE                                  .MSECR
4256   OCTAL   777777777777   SEE MIKE CT SLT                                 .MSECR
003600 OCTAL   400020000000   DED SLT FOR ID > PA *ALCOM*                       .MSECR J
004162 OCTAL   000000000002   ROUTE MARTIX  PA                                  .MSECR J
146    OCTAL   000014620204   EAX0 PTYE1,$                                      .MPOP7
147    OCTAL   000001222203   LDX2 1,DU                                         .MPOP7
150    OCTAL   000303223203   LDX3 .MXSA5,DU                                    .MPOP7
151    OCTAL   000153/23273   LXL3 .CRMDD,*3                                    .MPOP7
152    OCTAL   777765600204   TZE PTYII,$                                       .MPOP7
160    OCTAL   000303000001   .GOTO .MXSA5,1                                    .MPOP7
157    OCTAL   00060/701204   TSX1 PATCH                                        .MSWAP
766    OCTAL   400000236207   PATCHED INST                                      .MSWAP
767    OCTAL   000011106203   CMPX6 9,DU                                        .MSWAP
770    OCTAL   000000603211   TRC 0,1                                           .MSWAP
771    OCTAL   000303220203   LDX0 .MXSA5,DU                                    .MSWAP
772    OCTAL   000153/20270   LXL0 .CRMDD,*0                                    .MSWAP
773    OCTAL   000000600211   TZE 0,1                                           .MSWAP
774    OCTAL   000003/10210   TRA 3,0  E.P.#3                                   .MSWAP
***EOF
$LOAD
$       OBJECT  .MXSA5   USER CONSOLE VERB HANDLER          G15.152011176XSA50000
```

```
$       DKEND                                          15.152011176XSA50010
***EOF
```

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APPENDIX II

WMPE TEST DATA

TABLE 1. TOTAL ELAPSED TIME (MINUTES)

CONFIGURATION									
	Code	6A	6B	6C	6D	6E	6F	6G	6H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	87.293	86.435	46.221	45.742	31.677	31.165	25.014	24.201
	A	57.057	55.966	30.514	29.389	20.378	20.288	17.203	15.877
	B	52.741	51.550	28.617	27.384	19.026	19.116	15.337	14.894
	2	38.161	37.650	21.292	19.472	14.189	14.557	12.158	12.393
	C	46.030	44.410	26.280	27.450	18.087	17.563	14.074	13.816
	1	61.547	62.626	44.640	37.475	35.896	38.473	33.951	35.584
	D	57.630	57.576	35.329	31.502	24.305	24.804	22.149	20.618
	9	57.799	58.153	43.565	38.327	35.518	31.958	31.092	29.107
	F(2)	19.350	18.576	15.459	15.278	14.748	14.296	13.798	12.879
	F(1)	26.943	28.123	25.542	24.396	24.289	21.243	23.057	21.687
	4	64.959	66.745	55.092	49.132	45.792	38.084	41.649	36.628
	8	51.569	50.974	42.331	35.476	35.426	30.076	29.453	33.539
	10	80.686	82.623	69.058	60.901	61.005	48.938	49.506	51.515
	3	42.609	42.860	33.444	31.583	28.933	26.061	26.364	32.478

DATA SOURCE = GESEP HOST MACHINE = H6060 MEMORY INTERLACE = OFF

TABLE 2. TOTAL PROCESSOR TIME (MINUTES)

CONFIGURATION	Code	6A	6B	6C	6D	6E	6F	6G	6H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	82.829	82.659	86.042	86.605	89.248	88.281	92.872	90.696
	A	50.013	49.801	51.893	51.710	53.785	53.048	58.745	55.058
	B	45.205	45.026	47.103	46.771	48.346	48.239	51.719	49.541
	2	31.637	31.490	33.022	31.297	33.592	34.672	36.067	35.678
	C	38.115	36.782	39.680	39.316	40.902	41.379	43.271	42.191
	1	45.760	45.336	45.521	43.324	47.574	49.037	49.809	49.174
	D	43.679	43.495	45.633	45.102	47.615	49.252	52.515	50.367
	9	36.038	36.104	36.897	38.387	39.635	41.335	42.083	42.524
	F(2)	9.998	9.914	10.680	10.342	11.218	11.881	11.590	12.147
	F(1)	13.024	12.782	13.972	13.487	14.493	14.895	14.480	14.904
	4	35.996	35.395	38.519	35.480	40.701	43.145	44.164	44.524
	8	27.431	27.394	30.344	30.408	31.763	33.433	33.626	33.712
	10	43.995	43.816	46.831	47.000	50.357	53.966	55.487	54.097
	3	21.996	21.685	23.903	20.693	25.464	26.890	26.623	26.912

DATA SOURCE = GSEP HOST MACHINE = H6060 MEMORY INTERLACE = OFF

TABLE 3. TOTAL CHANNEL TIME (MINUTES)

CONFIGURATION	Code	6A	6B	6C	6D	6E	6F	6G	6H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	0.897	0.843	0.919	0.963	0.918	0.993	1.010	0.994
	A	12.184	13.645	14.027	15.932	15.039	15.424	16.371	15.602
	B	14.876	16.754	18.508	19.952	18.636	19.654	19.831	20.409
	2	14.529	16.193	16.330	17.188	16.459	16.994	16.998	17.408
	C	18.983	22.851	23.889	24.557	24.954	26.237	26.006	24.732
	1	51.132	57.838	53.328	60.582	53.111	53.389	55.272	50.233
	D	55.067	59.381	57.368	60.617	55.524	58.236	55.823	55.456
	9	86.352	91.903	84.511	94.059	90.098	90.651	89.091	87.771
	F(2)	29.635	29.738	28.438	30.808	29.306	28.933	27.842	27.570
	F(1)	39.405	44.046	42.599	42.506	40.343	39.435	41.451	40.062
	4	118.413	131.588	119.573	127.580	122.103	124.432	122.773	122.633
	8	94.085	103.469	92.631	105.205	93.750	96.441	96.112	98.002
	10	152.726	174.115	154.689	169.825	158.446	163.732	160.710	164.146
	3	81.887	86.363	79.492	78.190	82.174	80.625	80.137	84.526

DATA SOURCE = GESEP HOST MACHINE = H6060 MEMORY INTERLACE = OFF

TABLE 4. CHANNEL TIME/PROCESSOR TIME

CONFIGURATION									
	Code	6A	6B	6C	6D	6E	6F	6G	6H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
	A	0.24	0.27	0.27	0.30	0.27	0.29	0.27	0.28
	B	0.32	0.37	0.39	0.42	0.38	0.40	0.38	0.41
	2	0.45	0.51	0.49	0.54	0.48	0.49	0.47	0.48
	C	0.49	0.62	0.60	0.69	0.61	0.63	0.60	0.58
	1	1.11	1.27	1.17	1.39	1.11	1.08	1.10	1.02
	D	1.26	1.36	1.25	1.34	1.16	1.18	1.06	1.10
	9	2.39	2.54	2.29	2.45	2.27	2.19	2.11	2.06
	F(2)	2.96	2.99	2.66	2.97	2.61	2.43	2.40	2.26
	F(1)	3.02	3.44	3.04	3.15	2.78	2.64	2.86	2.68
	4	3.28	3.71	3.10	3.59	3.00	2.88	2.77	2.75
	8	3.42	3.77	3.05	3.45	2.95	2.88	2.85	2.90
	10	3.47	3.97	3.30	3.61	3.14	3.03	2.89	3.03
	3	3.72	3.98	3.32	3.77	3.22	2.99	3.01	3.14

DATA SOURCE = GESEP HOST MACHINE = H6060 MEMORY INTERLACE = OFF

TABLE 5. MPD MAXIMUM VALUE

CONFIGURATION	Code	6A	6B	6C	6D	6E	6F	6G	6H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	16	30	16	29	23	33	33	34
	A	16	27	21	28	23	34	33	34
	B	16	28	16	27	23	33	33	34
	2	16	25	16	21	22	33	33	34
	C	16	27	16	27	23	32	31	34
	1	15	23	15	21	21	26	26	27
	D	16	29	16	28	24	33	33	34
	9	16	24	15	24	22	30	31	34
	F(2)	13	19	11	18	18	20	20	20
	F(1)	14	22	13	21	17	26	**	27
	4	15	22	15	22		29	29	34
	8	16	24	16	25	22	32	32	34
	10	16	25	15	24	21	30	29	34
	3	16	29	16	21	23	33	33	34

DATA SOURCE = SYRUP HOST MACHINE = H6060 MEMORY INTERLACE = OFF

TABLE 6. MPD AVERAGE VALUE

CONFIGURATION									
	Code	6A	6B	6C	6D	6E	6F	6G	6H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	12.2	21.5	11.4	20.5	16.7	25.2	23.4	26.4
	A	9.4	18.8	11.0	17.3	13.5	25.4	21.1	27.2
	B	11.0	18.9	10.8	17.3	14.2	24.0	18.9	25.5
	2	10.4	16.7	9.0	13.4	13.7	21.2	20.0	21.3
	C	10.7	18.3	10.2	18.0	13.2	22.0	21.0	23.4
	1	8.2	13.0	7.5	9.0	9.1	11.3	10.6	11.5
	D	11.7	19.6	10.9	19.0	15.2	24.7	22.8	26.4
	9	9.3	15.0	9.2	14.5	12.7	19.8	20.4	22.2
	F(2)	8.0	11.6	7.1	8.3	9.7	9.8	10.3	10.0
	F(1)	7.1	10.5	6.7	8.2	7.8	10.2	**	11.4
	4	9.6	16.2	9.0	14.8		22.0	21.3	26.7
	8	10.2	17.6	9.3	18.2	14.3	20.5	23.6	25.3
	10	10.3	17.6	9.4	17.2	14.2	23.2	23.3	25.1
	3	11.3	20.5	10.5	16.0	15.6	23.0	22.6	21.2

DATA SOURCE = SYRUP HOST MACHINE = H6060 MEMORY INTERLACE = OFF

TABLE 7. AVERAGE PROCESSOR UTILIZATION FOR USER PROGRAMS (PERCENTAGE)

CONFIGURATION	Code	6A	6B	6C	6D	6E	6F	6G	6H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	93.8	94.3	87.3	93.4	91.0	94.0	86.1	91.6
	A	70.1	86.5	84.2	77.5	76.7	85.2	73.4	84.2
	B	84.3	86.1	81.5	78.2	76.7	81.8	66.5	79.8
	2	83.6	81.5	69.3	71.0	77.8	78.0	70.9	70.2
	C	81.3	81.0	73.7	77.6	68.3	75.1	72.5	73.2
	1	74.1	72.3	49.7	44.5	43.0	41.8	36.3	34.0
	D	75.3	72.0	64.5	69.5	61.7	65.2	57.9	59.6
	9	62.3	57.5	42.1	46.2	35.8	42.6	33.5	33.3
	F(2)	49.2	52.0	32.1	28.3	24.3	26.6	21.0	19.6
	F(1)	45.4	44.4	25.9	23.9	19.5	22.2	**	16.2
	4	55.5	53.1	33.9	35.6		36.9	26.3	30.5
	8	53.5	54.1	35.2	40.4	30.0	31.7	28.2	25.3
	10	54.9	52.8	32.0	38.5	27.6	35.4	27.8	25.1
	3	51.4	49.6	35.0	33.6	29.5	34.5	24.7	21.0

DATA SOURCE = SYRUP HOST MACHINE = H6060 MEMORY INTERLACE = OFF

TABLE 8. AVERAGE PROCESSOR UTILIZATION FOR SYSTEM PROGRAMS (PERCENTAGE)

CONFIGURATION	Code	6A	6B	6C	6D	6E	6F	6G	6H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	4.5	3.9	4.6	3.4	2.9	2.8	2.4	2.4
	A	9.1	9.6	12.5	9.0	8.2	9.2	7.4	8.9
	B	12.5	11.2	14.2	10.7	10.1	11.0	8.4	10.4
	2	15.1	14.0	16.1	12.6	13.6	14.0	12.6	12.3
	C	15.2	14.2	17.1	14.9	12.8	14.2	14.0	13.7
	1	20.6	20.9	17.1	13.7	13.4	12.8	11.3	10.2
	D	22.1	21.9	23.8	22.6	19.0	21.7	19.6	19.4
	9	33.6	32.9	26.4	27.2	20.7	24.2	20.1	19.6
	F(2)	36.4	37.6	27.8	22.0	18.3	19.1	15.0	14.5
	F(1)	34.7	35.6	23.7	19.8	15.6	17.1	**	13.1
	4	39.7	42.3	28.6	27.2		27.9	20.8	23.7
	8	40.6	44.0	30.3	32.1	23.5	24.8	23.6	20.2
	10	41.7	44.2	28.3	31.7	21.7	27.8	22.9	20.4
	3	42.0	45.1	32.5	27.7	24.5	28.1	21.7	17.8

DATA SOURCE = SYRUP HOST MACHINE = H6060 MEMORY INTERLACE = OFF

TABLE 9. AVERAGE IOM UTILIZATION FOR USER PROGRAMS (PERCENTAGE)

CONFIGURATION									
	Code	6A	6B	6C	6D	6E	6F	6G	6H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	A	0.5	0.6	0.6	0.6	0.2	0.0	0.0	0.0
	B	0.6	0.1	1.7	0.5	0.9	0.0	0.0	0.0
	2	3.0	0.4	1.0	0.7	1.5	0.1	0.3	0.0
	C	1.4	0.2	1.0	0.6	0.0	0.3	0.0	0.4
	1	0.2	2.2	5.1	0.3	1.3	0.0	0.0	0.2
	D	3.7	0.9	3.0	1.8	1.0	0.4	0.1	0.0
	9	9.1	5.6	7.2	3.4	5.9	3.9	0.5	0.8
	F(2)	3.5	4.7	1.9	0.2	0.5	0.0	1.3	0.0
	F(1)	3.7	3.4	0.9	0.0	1.3	0.0	**	0.0
	4	10.7	8.7	9.0	5.1		0.2	1.8	0.0
	8	12.6	11.6	19.0	29.3	6.8	0.0	0.5	0.7
	10	13.4	6.8	8.4	6.8	6.3	3.2	0.5	1.5
	3	13.4	7.0	4.9	5.8	5.6	1.8	0.0	0.7

DATA SOURCE = SYRUP HOST MACHINE = H6060 MEMORY INTERLACE = OFF

TABLE 10. AVERAGE IOM UTILIZATION FOR SYSTEM PROGRAMS

(PERCENTAGE)

CONFIGURATION	Code	6A	6B	6C	6D	6E	6F	6G	6H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	1.8	1.3	1.7	1.3	1.2	0.9	0.8	0.7
	A	3.3	2.7	3.7	2.7	2.4	2.2	1.8	1.7
	B	4.1	2.9	4.1	2.7	2.9	2.7	1.8	1.8
	2	4.5	3.6	4.7	3.2	3.9	3.5	3.1	2.4
	C	4.5	3.3	4.9	3.5		2.9	2.5	2.0
	1	1.6	1.2	0.9	0.7	0.6	0.5	0.4	0.4
	D	4.2	2.8	4.1	2.9	2.5	2.5	1.9	1.6
	9	4.0	2.6	2.5	2.1	1.9	1.6	1.2	1.0
	F(2)	6.6	4.7	4.5	2.4	2.3	2.1	1.5	1.5
	F(1)	5.0	3.6	2.9	1.9	1.5	1.5	**	1.1
	4	3.3	2.5	2.3	2.2		1.4	1.0	0.9
	8	4.2	3.2	2.8	2.7	1.9	1.7	1.8	1.0
	10	2.8	2.1	1.5	1.5	1.0	1.1	0.8	0.6
	3	4.9	3.7	3.5	2.4	2.2	1.9	1.4	26.0

Data Source = SYRUP Host Machine = H6060 Memory Interlace = OFF

TABLE 11A. AVERAGE PROCESSOR TIME ACTIVE FOR PO (PERCENTAGE)

CONFIGURATION	Code	6A	6B	6C	6D	6E	6F	6G	6H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	98.4	98.3	91.0	95.6	92.2	95.3	86.3	92.7
	A	79.3	96.2	96.6	86.5	84.6	93.6	77.3	92.7
	B	96.9	97.4	95.1	88.0	85.2	92.4	74.2	90.4
	2	98.8	95.6	85.2	82.6	89.5	90.3	80.6	78.4
	C	96.6	95.3	88.8	91.4	79.0	88.4	85.9	88.2
	1	94.7	93.2	56.7	51.8	47.6	46.4	44.9	41.2
	D	97.4	93.9	87.9	92.3	80.7	87.7	79.5	82.1
	9	95.9	90.5	67.4	74.3	56.4	68.6	65.5	61.6
	F(2)	85.6	89.7	60.1	50.7	45.3	47.6	46.9	44.3
	F(1)	80.2	80.0	49.1	42.4	37.8	41.7	**	40.2
	4	95.3	95.5	64.4	64.2		70.5	64.3	73.6
	8	94.1	97.1	67.0	74.8	58.6	61.7	72.6	62.6
	10	96.6	98.2	62.0	72.4	54.4	69.7	71.7	63.9
	3	93.4	94.7	69.9	63.2	60.6	68.9	66.1	54.6

DATA SOURCE = SYRUP HOST MACHINE = H6060 MEMORY INTERLACE = OFF

TABLE 11B. AVERAGE PROCESSOR TIME ACTIVE FOR P1 (PERCENTAGE)

CONFIGURATION	Code	6A	6B	6C	6D	6E	6F	6G	6H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	---	---	92.9	98.0	93.4	96.5	88.1	93.2
	A	---	---	96.8	86.8	84.8	94.6	81.2	92.4
	B	---	---	96.5	89.8	86.9	92.0	72.5	88.5
	2	---	---	85.7	84.7	91.2	90.2	82.5	78.3
	C	---	---	93.0	93.9	79.3	87.2	84.6	84.5
	1	---	---	76.7	64.8	43.5	42.6	28.1	23.8
	D	---	---	88.8	92.0	78.3	84.4	72.6	69.6
	9	---	---	69.7	72.7	47.3	58.6	28.8	30.9
	F(2)	---	---	59.9	50.3	30.5	34.5	10.4	11.8
	F(1)	---	---	50.2	45.3	21.0	25.0	**	5.3
	4	---	---	60.7	61.5		54.3	16.0	20.4
	8	---	---	64.0	70.4	39.7	47.4	18.1	15.6
	10	---	---	58.7	68.1	35.1	52.4	17.3	13.5
	3	---	---	65.4	59.5	40.5	51.4	13.6	12.1

DATA SOURCE = SYRUP HOST MACHINE = H6060 MEMORY INTERLACE = OFF

TABLE 11C. AVERAGE PROCESSOR TIME ACTIVE FOR P2 (PERCENTAGE)

CONFIGURATION	Code	6A	6B	6C	6D	6E	6F	6G	6H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	---	---	---	---	96.3	98.7	87.9	93.0
	A	---	---	---	---	85.7	95.2	81.9	92.4
	B	---	---	---	---	88.6	94.2	75.3	89.2
	2	---	---	---	---	93.7	95.7	82.1	81.3
	C	---	---	---	---	85.3	92.6	86.2	85.2
	1	---	---	---	---	78.0	75.0	40.7	42.7
	D	---	---	---	---	83.5	88.9	75.8	77.7
	9	---	---	---	---	66.0	73.3	51.8	51.4
	F(2)	---	---	---	---	52.2	55.0	31.6	30.1
	F(1)	---	---	---	---	46.5	51.3	**	22.1
	4	---	---	---	---		69.8	44.4	53.3
	8	---	---	---	---	62.4	60.6	49.5	43.3
	10	---	---	---	---	58.3	67.6	48.4	43.8
	3	---	---	---	---	61.2	67.9	43.1	35.6

DATA SOURCE = SYRUP HOST MACHINE = H6060 MEMORY INTERFACE = OFF

TABLE 11D. AVERAGE PROCESSOR TIME ACTIVE FOR P3 (PERCENTAGE)

CONFIGURATION	Code	6A	6B	6C	6D	6E	6F	6G	6H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	---	---	---	---	---	---	82.0	97.5
	A	---	---	---	---	---	---	83.3	95.3
	B	---	---	---	---	---	---	78.0	92.8
	2	---	---	---	---	---	---	88.8	92.1
	C	---	---	---	---	---	---	89.5	89.7
	1	---	---	---	---	---	---	77.1	69.3
	D	---	---	---	---	---	---	82.3	86.5
	9	---	---	---	---	---	---	68.4	67.8
	F(2)	---	---	---	---	---	---	55.9	50.9
	F(1)	---	---	---	---	---	---	**	49.5
	4	---	---	---	---	---	---	63.5	69.6
	8	---	---	---	---	---	---	67.2	60.8
	10	---	---	---	---	---	---	65.9	61.2
	3	---	---	---	---	---	---	63.2	52.9

DATA SOURCE = SYRUP HOST MACHINE = H6060 MEMORY INTERLACE = OFF

TABLE 12A. AVERAGE PROCESSOR TIME OVERHEAD FOR PØ (PERCENTAGE)

CONFIGURATION	Code	6A	6B	6C	6D	6E	6F	6G	6H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	3.2	2.8	5.3	3.7	4.4	4.1	4.5	4.5
	A	6.9	7.8	18.4	13.4	17.6	19.4	20.6	24.8
	B	10.0	9.3	21.4	16.3	22.1	23.4	23.5	29.5
	2	12.0	11.5	23.9	19.3	29.2	30.2	34.6	34.0
	C	12.4	12.0	25.3	23.2	28.4	31.3	40.1	39.7
	1	19.7	20.2	29.3	24.0	32.0	30.6	35.9	32.3
	D	19.7	20.1	39.3	37.6	44.5	49.5	57.5	57.6
	9	31.5	31.4	44.4	46.3	48.1	56.7	61.2	59.2
	F(2)	32.3	34.6	44.0	35.9	40.7	43.2	45.1	43.1
	F(1)	31.7	33.2	38.1	32.4	35.3	39.2	**	39.4
	4	37.6	40.9	48.4	46.1		65.5	63.1	72.4
	8	38.0	42.1	50.4	54.0	54.1	57.2	70.8	61.7
	10	40.1	43.0	48.1	54.3	51.2	65.6	70.5	63.1
	3	39.2	42.9	53.9	46.5	56.4	65.2	65.1	53.8

DATA SOURCE = SYRUP HOST MACHINE = H6060 MEMORY INTERLACE = OFF

TABLE 12B. AVERAGE PROCESSOR TIME OVERHEAD FOR P1 (PERCENTAGE)

CONFIGURATION	Code	6A	6B	6C	6D	6E	6F	6G	6H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	---	---	1.0	1.0	0.9	1.0	0.9	0.9
	A	---	---	1.5	1.2	1.2	1.4	1.1	1.3
	B	---	---	1.7	1.5	1.4	1.6	1.1	1.6
	2	---	---	2.0	1.8	2.1	2.2	1.9	2.1
	C	---	---	2.1	2.2	2.1	2.4	2.6	2.3
	1	---	---	3.4	2.4	2.6	2.6	1.5	1.2
	D	---	---	3.8	4.3	3.8	5.1	4.3	4.1
	9	---	---	5.4	5.6	4.7	5.7	2.6	3.1
	F(2)	---	---	6.1	4.8	3.7	3.9	1.3	1.6
	F(1)	---	---	5.3	4.7	2.7	3.1	**	0.9
	4	---	---	6.2	6.0		6.7	2.5	3.1
	8	---	---	7.0	7.3	5.3	6.0	2.8	2.4
	10	---	---	6.3	7.3	4.6	6.8	2.8	2.3
	3	---	---	7.3	6.0	5.4	6.7	2.3	2.1

DATA SOURCE = SYRUP HOST MACHINE = H6060 MEMORY INTERLACE = OFF

TABLE 12C. AVERAGE PROCESSOR TIME OVERHEAD FOR P2 (PERCENTAGE)

CONFIGURATION	Code	6A	6B	6C	6D	6E	6F	6G	6H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	---	---	---	---	1.0	1.0	0.9	0.9
	A	---	---	---	---	1.2	1.4	1.1	1.3
	B	---	---	---	---	1.4	1.7	1.3	1.7
	2	---	---	---	---	2.1	2.4	2.0	2.2
	C	---	---	---	---	2.1	2.5	2.8	2.5
	1	---	---	---	---	3.7	3.8	2.7	2.5
	D	---	---	---	---	4.2	5.4	5.0	4.8
	9	---	---	---	---	6.0	6.7	5.5	5.5
	F(2)	---	---	---	---	5.7	5.8	3.8	3.8
	F(1)	---	---	---	---	5.4	5.8	**	3.0
	4	---	---	---	---		8.4	6.2	7.0
	8	---	---	---	---	7.7	7.3	7.0	5.7
	10	---	---	---	---	7.0	8.5	6.8	6.0
	3	---	---	---	---	7.7	8.5	6.2	5.0

DATA SOURCE = SYRUP HOST MACHINE = H6060 MEMORY INTERLACE = OFF

TABLE 12D. AVERAGE PROCESSOR TIME OVERHEAD FOR P3 (PERCENTAGE)

CONFIGURATION	Code	6A	6B	6C	6D	6E	6F	6G	6H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	---	---	---	---	---	---	0.9	1.0
	A	---	---	---	---	---	---	1.2	1.5
	B	---	---	---	---	---	---	1.5	1.8
	2	---	---	---	---	---	---	2.3	2.5
	C	---	---	---	---	---	---	3.0	3.0
	1	---	---	---	---	---	---	4.2	3.8
	D	---	---	---	---	---	---	5.5	5.6
	9	---	---	---	---	---	---	7.3	6.9
	F(2)	---	---	---	---	---	---	6.0	5.6
	F(1)	---	---	---	---	---	---	**	5.8
	4	---	---	---	---	---	---	8.2	9.0
	8	---	---	---	---	---	---	9.1	7.9
	10	---	---	---	---	---	---	9.0	8.1
	3	---	---	---	---	---	---	8.5	7.1

DATA SOURCE = SYRUP HOST MACHINE = H6060 MEMORY INTERLACE = OFF

TABLE 13A. AVERAGE MEMORY USED IN QUADRANT 1 (K WORDS)

CONFIGURATION	Code	6A	6B	6C	6D	6E	6F	6G	6H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	237.7	220.8	228.7	216.5	227.3	171.8	170.1	153.9
	A	209.4	213.8	236.6	198.8	206.4	201.5	166.0	182.6
	B	235.8	213.8	231.4	202.3	210.4	200.5	168.0	167.3
	2	236.1	205.3	214.6	179.7	223.9	183.2	167.4	139.4
	C	231.4	208.0	225.2	214.2	209.1	185.5	172.1	152.2
	1	205.9	151.3	199.1	148.9	175.2	81.0	91.7	87.0
	D	239.2	207.9	234.7	212.4	225.1	193.0	171.9	152.8
	9	222.9	197.5	225.1	188.9	219.3	178.2	169.8	148.7
	F(2)	206.2	163.3	192.9	123.5	167.3	118.1	135.3	112.8
	F(1)	184.1	143.4	179.5	108.2	136.5	96.8	**	85.7
	4	238.3	207.4	236.3	211.2		201.7	191.8	174.8
	8	235.5	217.6	236.2	213.7	227.7	181.0	192.2	163.0
	10	239.8	223.6	229.6	215.3	232.2	192.1	190.7	149.7
	3	232.2	203.7	229.0	202.7	224.9	175.8	180.9	144.8

DATA SOURCE = SYRUP HOST MACHINE = H6060 MEMORY INTERLACE = OFF

TABLE 13B. AVERAGE MEMORY USED IN QUADRANT 2 (K WORDS)

CONFIGURATION	Code	6A	6B	6C	6D	6E	6F	6G	6H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	---		---	197.6	103.7	181.9	165.9	109.9
	A	---		---	188.1	97.8	194.9	143.6	154.3
	B	---		---	191.8	103.6	177.0	148.6	140.3
	2	---		---	169.3	100.8	162.8	162.5	141.5
	C	---		---	200.3	95.0	158.4	165.3	132.5
	1	---		---	112.3	70.2	83.5	143.8	70.3
	D	---		---	201.0	106.5	196.3	171.8	153.7
	9	---		---	180.8	96.2	149.2	179.4	137.6
	F(2)	---		---	122.0	92.3	107.3	70.5	65.5
	F(1)	---		---	116.5	77.5	87.1	**	72.0
	4	---		---	200.0		204.2	182.4	181.0
	8	---		---	201.1	111.5	161.9	201.2	147.6
	10	---		---	209.9	110.2	179.1	198.3	164.7
	3	---		---	184.6	113.8	170.3	165.9	104.4

DATA SOURCE = SYRUP HOST MACHINE = H6060 MEMORY INTERLACE = OFF

TABLE 13C. AVERAGE MEMORY USED IN QUADRANT 3 (K WORDS)

CONFIGURATION	Code	6A	6B	6C	6D	6E	6F	6G	6H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	---	---	---	---	---	178.8	169.7	139.6
	A	---	---	---	---	---	177.5	176.0	148.2
	B	---	---	---	---	---	194.7	149.4	139.2
	2	---	---	---	---	---	179.7	165.0	140.7
	C	---	---	---	---	---	191.1	177.3	138.8
	1	---	---	---	---	---	150.1	66.2	68.8
	D	---	---	---	---	---	173.7	175.9	141.9
	9	---	---	---	---	---	174.5	171.9	137.6
	F(2)	---	---	---	---	---	50.0	86.2	44.7
	F(1)	---	---	---	---	---	91.2	**	78.9
	4	---	---	---	---	---	181.3	181.3	173.4
	8	---	---	---	---	---	165.8	193.1	176.2
	10	---	---	---	---	---	195.1	198.8	168.3
	3	---	---	---	---	---	175.7	155.7	130.7

DATA SOURCE = SYRUP HOST MACHINE = H6060 MEMORY INTERLACE = OFF

TABLE 13D. AVERAGE MEMORY USED IN QUADRANT 4 (K WORDS)

CONFIGURATION	Code	6A	6B	6C	6D	6E	6F	6G	6H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	---	---	---	---	---	---	---	150.8
	A	---	---	---	---	---	---	---	149.3
	B	---	---	---	---	---	---	---	158.6
	2	---	---	---	---	---	---	---	99.8
	C	---	---	---	---	---	---	---	146.1
	1	---	---	---	---	---	---	---	82.7
	D	---	---	---	---	---	---	---	151.4
	9	---	---	---	---	---	---	---	132.6
	F(2)	---	---	---	---	---	---	---	46.0
	F(1)	---	---	---	---	---	---	---	48.3
	4	---	---	---	---	---	---	---	165.9
	8	---	---	---	---	---	---	---	136.0
	10	---	---	---	---	---	---	---	159.2
	3	---	---	---	---	---	---	---	90.9

DATA SOURCE = SYRUP HOST MACHINE = H6060 MEMORY INTERLACE = OFF

TABLE 14A. AVERAGE COUNT OF CONNECTS FOR IOM-0, CHANNEL 8

CONFIGURATION	Code	6A	6B	6C	6D	6E	6F	6G	6H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	14.3	10.8	26.1	19.2	30.6	24.6	28.8	30.0
	A	60.8	62.7	126.2	96.6	133.1	123.2	129.9	147.3
	B	87.9	82.5	138.1	117.5	160.4	145.4	129.8	157.7
	2	110.9	95.4	139.3	132.4	186.3	170.4	192.5	165.3
	C	122.9	102.9	161.3	153.9	179.7	159.6	172.9	181.9
	1	150.1	139.5	163.1	169.9	168.1	168.8	146.3	145.8
	D	163.3	135.3	196.1	172.2	205.2	195.1	168.7	186.2
	9	199.0	184.4	217.7	187.3	216.2	172.3	189.1	173.9
	F(2)	204.5	204.2	208.0	180.4	219.5	216.2	211.0	188.8
	F(1)	238.4	234.9	237.3	213.6	258.1	246.7	**	252.4
	4	222.1	203.5	206.8	210.4		210.5	220.1	197.9
	8	220.4	200.8	236.5	202.0	226.1	183.9	218.1	166.4
	10	222.6	200.3	210.0	206.2	237.3	192.7	186.4	204.8
	3	217.9	197.6	221.3	205.4	229.2	207.1	195.4	137.5

DATA SOURCE = SYRUP HOST MACHINE = H6060 MEMORY INTERLACE = OFF

TABLE 14B. AVERAGE COUNT OF CONNECTS FOR IOM-0, CHANNEL 9

CONFIGURATION	Code	6A	6B	6C	6D	6E	6F	6G	6H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	0.0	0.0	0.0	0.2	0.0	0.0	0.3	0.0
	A	0.0	0.0	3.8	2.5	0.1	0.0	8.8	0.2
	B	0.0	0.0	7.0	6.6	0.1	0.0	13.6	0.7
	2	0.0	0.0	12.8	18.2	4.6	1.5	50.9	3.3
	C	0.0	0.0	17.1	18.0	1.8	0.5	44.5	5.8
	1	0.0	0.0	43.5	34.9	12.3	8.9	67.5	11.6
	D	0.0	0.0	50.7	51.4	17.9	10.1	98.7	24.4
	9	0.0	0.0	107.2	95.0	34.1	27.2	120.4	37.4
	F(2)	0.0	0.0	85.8	81.0	20.8	26.2	129.5	28.1
	F(1)	0.0	0.0	71.8	60.7	12.1	21.2	**	19.5
	4	0.0	0.0	117.5	128.1		38.4	135.4	50.2
	8	0.0	0.0	123.2	126.9	38.4	28.2	147.3	34.2
	10	0.0	0.0	120.6	118.3	30.4	28.5	132.6	41.0
	3	0.0	0.0	132.8	139.1	42.2	49.2	138.5	32.0

DATA SOURCE = SYRUP HOST MACHINE = H6060 MEMORY INTERLACE = OFF

TABLE 14C. AVERAGE COUNT OF CONNECTS FOR IOM-0, CHANNEL 10

CONFIGURATION	Code	6A	6B	6C	6D	6E	6F	6G	6H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	0.2	0.3	1.8	3.5	1.0	1.7	2.0	2.0
	A	2.6	4.0	36.6	28.1	20.9	32.3	36.5	46.4
	B	3.9	3.8	52.7	42.1	25.8	45.7	47.8	61.6
	2	7.2	8.4	63.7	65.0	38.6	46.8	49.7	57.9
	C	5.4	7.3	77.0	70.6	41.5	67.4	87.3	85.8
	1	18.8	14.7	89.2	82.0	68.0	39.8	78.9	42.9
	D	14.9	20.6	124.7	118.3	92.7	108.8	131.7	129.9
	9	30.5	37.2	165.8	152.0	99.0	165.2	169.0	157.9
	F(2)	36.7	38.6	158.7	146.7	63.3	62.3	55.8	78.1
	F(1)	30.1	26.1	149.2	126.0	42.3	56.5	**	50.8
	4	44.6	55.4	183.4	180.2		159.5	142.8	184.4
	8	37.6	66.9	203.3	181.7	117.0	146.8	167.3	146.8
	10	44.5	64.7	184.8	184.2	101.0	183.5	183.1	149.2
	3	57.3	78.8	193.0	188.8	134.5	143.2	152.7	129.1

DATA SOURCE = SYRUP HOST MACHINE = H6060 MEMORY INTERLACE = OFF

TABLE 14D. AVERAGE COUNT OF CONNECTS FOR IOM-0, CHANNEL 11

CONFIGURATION	Code	6A	6B	6C	6D	6E	6F	6G	6H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	A	0.0	0.2	0.0	0.0	1.5	4.1	4.4	10.6
	B	0.0	0.1	0.0	0.0	1.7	9.0	13.3	15.5
	2	0.4	0.9	0.3	1.0	4.7	7.5	11.3	16.9
	C	0.1	0.3	0.8	0.5	4.5	16.9	30.4	39.7
	1	0.2	0.1	7.7	3.5	5.9	2.8	11.9	2.7
	D	0.4	2.6	5.9	6.1	17.1	59.8	84.7	88.2
	9	0.7	5.5	18.8	18.9	20.6	88.8	82.1	103.0
	F(2)	1.4	1.3	14.7	14.4	8.3	11.6	7.2	15.1
	F(1)	1.3	0.5	9.8	9.2	5.5	9.2	**	6.6
	4	0.7	0.8	19.1	29.5		102.2	78.4	128.3
	8	0.8	5.3	23.2	29.3	18.4	98.7	124.1	107.2
	10	0.4	6.2	21.6	20.6	13.4	126.9	146.0	91.2
	3	1.8	7.2	29.1	35.9	32.7	82.4	91.7	100.1

DATA SOURCE = SYRUP HOST MACHINE = H6060 MEMORY INTERLACE = OFF

TABLE 15A. AVERAGE COUNT OF CONNECTS FOR IOM-1, CHANNEL 8

CONFIGURATION	Code	6A	6B	6C	6D	6E	5F	6G	6H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	9.1	7.0	16.6	13.3	19.8	16.5	19.2	20.0
	A	35.4	44.0	69.4	71.1	84.9	112.9	104.2	127.5
	B	54.0	52.8	82.5	83.8	111.5	121.7	113.7	141.3
	2	55.8	56.2	90.3	79.7	130.5	126.2	135.6	139.9
	C	63.9	69.5	99.1	98.4	122.8	146.9	148.8	156.2
	1	97.0	116.8	135.2	99.4	156.5	149.4	178.1	183.7
	D	95.2	98.1	140.6	135.6	167.2	168.4	177.3	182.5
	9	131.6	114.4	146.4	153.2	173.3	220.3	216.8	186.4
	F(2)	144.9	152.9	174.6	124.8	175.9	150.9	152.9	155.1
	F(1)	122.3	117.5	113.8	110.7	115.7	140.1	**	131.0
	4	156.0	142.4	157.6	175.0		196.4	185.8	207.3
	8	152.1	154.2	182.1	183.0	208.4	170.0	197.3	206.8
	10	155.6	153.8	156.8	189.8	200.9	204.0	203.5	192.2
	3	155.6	176.9	183.3	184.6	201.5	203.1	212.3	196.0

DATA SOURCE = SYRUP HOST MACHINE = H6060 MEMORY INTERLACE = OFF

TABLE 15B. AVERAGE COUNT OF CONNECTS FOR IOM-1, CHANNEL 9

CONFIGURATION	Code	6A	6B	6C	6D	6E	6F	6G	6H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	A	0.0	0.0	0.4	0.7	0.0	0.0	0.0	0.2
	B	0.0	0.0	0.7	0.7	0.0	0.4	1.4	1.8
	2	0.0	0.0	1.0	2.1	0.1	0.1	0.4	1.3
	C	0.0	0.0	1.5	2.5	0.1	0.7	3.1	7.7
	1	0.0	0.0	2.2	1.3	0.0	0.0	0.1	0.0
	D	0.0	0.0	4.8	23.3	1.0	13.9	20.9	24.8
	9	0.0	0.0	5.8	29.5	0.6	17.4	20.9	25.2
	F(2)	0.0	0.0	8.4	5.7	0.3	0.6	0.2	0.6
	F(1)	0.0	0.0	4.5	4.2	0.1	0.4	**	0.2
	4	0.0	0.0	7.4	10.6		24.1	21.3	42.1
	8	0.0	0.0	9.1	40.6	0.4	29.8	36.2	31.7
	10	0.0	0.0	4.7	33.6	0.4	28.6	40.7	24.9
	3	0.0	0.0	10.5	5.5	2.2	26.0	27.8	29.5

DATA SOURCE = SYRUP HOST MACHINE = H6060 MEMORY INTERLACE = OFF

TABLE 15C. AVERAGE COUNT OF CONNECTS FOR IOM-1, CHANNEL 10

CONFIGURATION	Code	6A	6B	6C	6D	6E	6F	6G	6H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	0.9	1.0	0.8	1.1	4.1	5.2	0.0	6.4
	A	6.7	8.3	9.7	11.5	51.4	45.9	0.0	61.6
	B	14.2	8.7	12.9	13.2	75.5	58.9	0.0	84.5
	2	19.5	18.4	17.8	20.8	107.4	91.0	0.0	106.0
	C	18.1	16.6	21.8	26.9	102.1	82.6	0.0	107.6
	1	48.7	47.5	24.3	33.6	100.5	105.8	0.0	111.7
	D	46.3	39.1	49.9	67.1	156.9	128.3	0.0	145.0
	9	123.3	95.3	55.5	86.3	172.7	142.2	0.0	143.5
	F(2)	125.9	128.6	67.9	43.4	151.9	158.5	0.0	140.7
	F(1)	130.5	128.6	38.7	31.4	156.0	139.3	**	149.6
	4	152.1	147.1	60.9	101.3		182.2	0.0	163.7
	8	157.9	140.8	77.7	119.2	193.7	146.1	0.0	144.9
	10	168.1	144.5	57.3	122.8	190.9	168.3	0.0	166.1
	3	153.2	122.3	87.5	63.6	196.4	173.7	0.0	116.6

DATA SOURCE = SYRUP HOST MACHINE = H6060 MEMORY INTERLACE = OFF

TABLE 15D. AVERAGE COUNT OF CONNECTS FOR IOM-1, CHANNEL 11

CONFIGURATION	Code	6A	6B	6C	6D	6E	6F	6G	6H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	0.0	0.0	0.0	0.0	0.2	0.3	6.2	0.4
	A	0.2	0.4	0.0	0.0	9.2	6.4	51.8	9.6
	B	0.4	0.3	0.0	0.0	10.9	9.0	65.5	23.6
	2	2.4	1.9	0.0	0.0	42.4	26.6	115.5	40.4
	C	1.1	1.7	0.0	0.0	32.5	18.8	116.2	41.7
	1	19.2	8.9	0.0	0.0	52.3	50.1	111.3	67.8
	D	12.5	10.5	0.0	2.3	91.0	55.7	138.9	86.2
	9	43.0	39.8	0.1	2.8	117.8	101.7	155.8	106.2
	F(2)	47.6	44.5	0.1	0.0	89.5	94.4	176.6	91.6
	F(1)	40.8	39.5	0.1	0.1	65.9	73.3	**	76.6
	4	64.6	63.9	0.1	0.1		123.4	188.1	130.7
	8	65.4	59.0	0.1	4.6	139.9	100.8	185.7	106.9
	10	79.4	67.1	0.0	2.7	122.1	111.3	169.9	112.3
	3	60.4	34.2	0.2	0.0	140.4	134.9	176.5	89.3

DATA SOURCE = SYRUP HOST MACHINE = H6060 MEMORY INTERLACE = OFF

TABLE 16. TOTAL CONNECTS FOR WORKLOAD ONLY

CONFIGURATION									
	Code	6A	6B	6C	6D	6E	6F	6G	6H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	**E**	6,614	2,264	6,729	5,782	6,054	5,745	5,754	5,680
	A	36,928	36,145	33,039	36,146	36,252	35,949	35,947	35,904
	B	42,978	41,834	42,583	41,577	42,026	41,806	41,754	41,706
	2	38,219	37,690	38,396	37,643	37,865	37,651	37,586	37,559
	C	51,468	49,292	51,312	50,587	50,888	50,603	50,521	50,466
	1	121,908	121,670	121,910	121,697	121,702	121,632	110,364	121,632
	D	107,946	107,156	107,967	107,139	107,309	107,091	107,069	106,986
	9	176,641	176,255	176,620	176,193	176,363	176,164	176,088	175,301
	F(2)	64,237	63,807	64,126	63,822	63,943	63,793	63,793	63,795
	F(1)	93,104	92,851	94,836	92,778	92,894	92,732	92,723	92,720
	4	242,992	242,620	242,899	242,546	242,662	242,385	242,406	242,372
	8	188,594	188,018	171,218	187,993	188,259	187,992	188,012	187,907
	10	315,632	315,288	315,659	315,262	315,422	315,210	314,779	315,093
	3	159,574	159,066	159,580	155,936	159,173	158,929	158,911	158,881

DATA SOURCE = MSM HOST MACHINE = H6060 MEMORY INTERLACE = OFF

TABLE 17. TOTAL ELAPSED TIME

(MINUTES)

CONFIGURATION									
	Code	6A	6B	6C	6D	6E	6F	6G	6H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	**E**	81.225		39.539	39.983	28.730	27.759	23.162	21.752
	A	53.646		26.125	26.874	19.050	18.368	15.177	14.342
	B	49.417		24.041	24.651	18.070	17.371	14.421	13.474
	2	---	---	---	---	---	---	---	---
	C	43.700		22.296	22.609	16.203	15.842	13.170	13.128
	1	---	---	---	---	---	---	---	---
	D	55.122		34.921	30.096	23.756	23.182	20.151	18.128
	9	---	---	---	---	---	---	---	---
	F(2)	18.669		13.898	13.194	12.786	13.450	12.700	13.462
	F(1)	28.246		21.803	21.464	20.280	20.878	21.556	21.298
	4	---	---	---	---	---	---	---	---
	8	---	---	---	---	---	---	---	---
	10	---	---	---	---	---	---	---	---
	3	---	---	---	---	---	---	---	---

DATA SOURCE = GESEP HOST MACHINE = H6060 MEMORY INTERLACE = ON

TABLE 18. TOTAL PROCESSOR TIME
(MINUTES)

CONFIGURATION	Code	6A	6B	6C	6D	6E	6F	6G	6H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	76.862		74.481	76.411	81.331	79.530	82.321	82.044
	A	46.602		45.487	47.233	49.460	48.105	53.036	49.518
	B	42.241		41.243	42.303	44.867	43.533	47.821	45.150
	2	---	---	---	---	---	---	---	---
	C	35.692		34.793	36.528	37.617	36.603	40.541	38.704
	1	---	---	---	---	---	---	---	---
	D	41.136		45.630	42.445	42.854	42.400	45.141	43.459
	9	---	---	---	---	---	---	---	---
	F(2)	9.624		9.275	10.013	9.653	9.728	9.671	9.437
	F(1)	12.441		12.097	12.697	12.491	12.473	12.499	12.214
	4	---	---	---	---	---	---	---	---
	8	---	---	---	---	---	---	---	---
	10	---	---	---	---	---	---	---	---
	3	---	---	---	---	---	---	---	---

DATA SOURCE = GESEP HOST MACHINE = H6060 MEMORY INTERLACE = ON

TABLE 19. TOTAL CHANNEL TIME

(MINUTES)

CONFIGURATION	Code	6A	6B	6C	6D	6E	6F	6G	6H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	0.894		0.906	0.923	0.926	0.971	0.993	0.977
	A	11.698		13.225	14.817	14.590	14.818	15.636	16.111
	B	15.057		16.135	19.369	18.917	19.050	20.194	19.906
	2	---	---	---	---	---	---	---	---
	C	20.226		22.084	24.597	24.439	26.206	25.974	25.665
	1	---	---	---	---	---	---	---	---
	D	52.757		56.891	57.045	54.187	55.656	54.857	53.231
	9	---	---	---	---	---	---	---	---
	F(2)	28.404		26.847	29.446	28.171	28.178	28.202	28.262
	F(1)	41.734		38.586	41.267	38.247	41.108	38.769	39.700
	4	---	---	---	---	---	---	---	---
	8	---	---	---	---	---	---	---	---
	10	---	---	---	---	---	---	---	---
	3	---	---	---	---	---	---	---	---

DATA SOURCE = GESEP HOST MACHINE = H6060 MEMORY INTERLACE = ON

TABLE 20. CHANNEL TIME/PROCESSOR TIME

CONFIGURATION									
	Code	6A	6B	6C	6D	6E	6F	6G	6H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	0.01		0.01	0.01	0.01	0.01	0.01	0.01
	A	0.25		0.29	0.31	0.29	0.30	0.29	0.32
	B	0.35		0.39	0.45	0.42	0.43	0.42	0.44
	2	---	---	---	---	---	---	---	---
	C	0.56		0.63	0.67	0.64	0.71	0.64	0.66
	1	---	---	---	---	---	---	---	---
	D	1.28		1.24	1.34	1.26	1.31	1.21	1.22
	9	---	---	---	---	---	---	---	---
	F(2)	2.95		2.89	2.94	2.91	2.89	2.91	2.99
	F(1)	3.35		3.18	3.25	3.06	3.29	3.10	3.21
	4	---	---	---	---	---	---	---	---
	8	---	---	---	---	---	---	---	---
	10	---	---	---	---	---	---	---	---
	3	---	---	---	---	---	---	---	---

DATA SOURCE = GESEP HOST MACHINE = H6060 MEMORY INTERLACE = ON

TABLE 21. MPD MAXIMUM VALUE

CONFIGURATION	Code	6A	6B	6C	6D	6E	6F	6G	6H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	16		16	29	24	33	33	34
	A	16		16	27	23	33	33	34
	B	16		15	28	23	34	33	33
	2	---	---	---	---	---	---	---	---
	C	16		16	27	23	32	31	33
	1	---	---	---	---	---	---	---	---
	D	16		16	28	24	33	33	34
	9	---	---	---	---	---	---	---	---
	F(2)	12		12	20	18	18	20	21
	F(1)	14		13	22	18	26	26	27
	4	---	---	---	---	---	---	---	---
	8	---	---	---	---	---	---	---	---
	10	---	---	---	---	---	---	---	---
	3	---	---	---	---	---	---	---	---

DATA SOURCE = SYRUP HOST MACHINE = H6060 MEMORY INTERLACE = ON

TABLE 22. MPD AVERAGE VALUE

CONFIGURATION	Code	6A	6B	6C	6D	6E	6F	6G	6H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	12.2		11.5	20.8	17.0	29.7	24.3	25.8
	A	10.8		11.1	17.0	14.9	24.2	23.4	22.5
	B	11.2		10.4	17.8	14.9	23.4	22.9	22.1
	2	---	---	---	---	---	---	---	---
	C	11.0		10.4	18.3	12.2	21.6	21.2	20.4
	1	---	---	---	---	---	---	---	---
	D	12.5		10.9	19.4	15.9	22.4	21.0	25.5
	9	---	---	---	---	---	---	---	---
	F(2)	6.7		7.3	11.1	9.6	8.2	9.3	10.9
	F(1)	7.1		6.6	9.4	8.0	9.9	10.0	11.2
	4	---	---	---	---	---	---	---	---
	8	---	---	---	---	---	---	---	---
	10	---	---	---	---	---	---	---	---
	3	---	---	---	---	---	---	---	---

DATA SOURCE = SYRUP HOST MACHINE = H6060 MEMORY INTERLACE = ON

TABLE 23. AVERAGE PROCESSOR UTILIZATION FOR USER PROGRAMS (PERCENTAGE)

CONFIGURATION	Code	6A	6B	6C	6D	6E	6F	6G	6H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	94.2		89.1	94.4	92.5	92.2	90.6	28.2
	A	83.0		86.4	76.8	84.0	84.1	84.0	70.1
	B	84.4		82.5	80.0	80.7	80.6	82.0	71.6
	2	---	---	---	---	---	---	---	---
	C	81.0		78.0	81.1	63.2	73.5	72.2	65.3
	1	---	---	---	---	---	---	---	---
	D	75.3		64.4	69.7	60.7	56.0	49.0	56.2
	9	---	---	---	---	---	---	---	---
	F(2)	39.8		30.3	37.3	24.2	19.3	16.5	16.8
	F(1)	42.7		25.4	28.2	19.2	18.8	13.7	13.9
	4	---	---	---	---	---	---	---	---
	8	---	---	---	---	---	---	---	---
	10	---	---	---	---	---	---	---	---
	3	---	---	---	---	---	---	---	---

DATA SOURCE = SYRUP HOST MACHINE = H6060 MEMORY INTERLACE = ON

TABLE 24. AVERAGE PROCESSOR UTILIZATION FOR SYSTEM PROGRAMS (PERCENTAGE)

CONFIGURATION	Code	6A	6B	6C	6D	6E	6F	6G	6H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	4.7		3.7	3.4	3.2	2.8	2.6	4.3
	A	11.0		10.7	9.0	9.6	9.5	9.0	7.7
	B	12.8		11.3	11.3	11.3	11.4	10.9	9.4
	2	---	---	---	---	---	---	---	---
	C	16.2		15.3	15.2	12.0	14.9	13.8	12.3
	1	---	---	---	---	---	---	---	---
	D	23.5		23.5	22.3	18.5	18.4	15.1	17.5
	9	---	---	---	---	---	---	---	---
	F(2)	29.8		22.4	27.2	18.1	13.5	12.1	12.2
	F(1)	33.8		19.8	22.4	15.2	14.6	10.7	10.8
	4	---	---	---	---	---	---	---	---
	8	---	---	---	---	---	---	---	---
	10	---	---	---	---	---	---	---	---
	3	---	---	---	---	---	---	---	---

DATA SOURCE = SYRUP HOST MACHINE = H6060 MEMORY INTERLACE = ON

TABLE 25. AVERAGE IOM UTILIZATION FOR USER PROGRAMS (PERCENTAGE)

	Code	6A	6B	6C	6D	6E	6F	6G	6H
CONFIGURATION	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	0.0		0.0	0.0	0.0	0.0	0.0	2.3
	A	1.1		0.8	0.0	0.1	0.0	0.0	0.1
	B	1.4		0.7	0.3	1.3	0.0	0.0	0.0
	2	---	---	---	---	---	---	---	---
	C	2.4		1.0	1.0	0.9	0.0	0.1	0.1
	1	---	---	---	---	---	---	---	---
	D	10.2		3.2	1.5	5.5	0.2	0.0	0.2
	9	---	---	---	---	---	---	---	---
	F(2)	1.2		0.0	0.8	0.2	0.0	0.0	0.0
	F(1)	1.5		1.4	1.4	0.1	0.0	0.2	0.0
	4	---	---	---	---	---	---	---	---
	8	---	---	---	---	---	---	---	---
	10	---	---	---	---	---	---	---	---
	3	---	---	---	---	---	---	---	---

DATA SOURCE = SYRUP HOST MACHINE = H6060 MEMORY INTERLACE = ON

TABLE 26. AVERAGE IOM UTILIZATION FOR SYSTEM PROGRAMS (PERCENTAGE)

CONFIGURATION	Code	6A	6B	6C	6D	6E	6F	6G	6H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	2.0		1.8	1.2	1.3	1.1	0.8	1.2
	A	4.0		4.1	2.3	3.0	2.4	2.2	1.6
	B	4.3		3.4	2.8	3.2	3.0	2.5	1.8
	2	---	---	---	---	---	---	---	---
	C	5.1		4.8	3.1	3.0	3.3	2.7	2.1
	1	---	---	---	---	---	---	---	---
	D	4.9		4.0	2.8	2.8	2.1	1.7	1.7
	9	---	---	---	---	---	---	---	---
	F(2)	5.7		4.5	3.7	2.8	1.8	1.6	1.5
	F(1)	5.1		3.0	2.5	1.8	1.4	1.1	1.0
	4	---	---	---	---	---	---	---	---
	8	---	---	---	---	---	---	---	---
	10	---	---	---	---	---	---	---	---
	3	---	---	---	---	---	---	---	---

DATA SOURCE = SYRUP HOST MACHINE = H6060 MEMORY INTERLACE = ON

TABLE 27A. AVERAGE PROCESSOR TIME ACTIVE FOR P0 (PERCENTAGE)

CONFIGURATION	Code	6A	6B	6C	6D	6E	6F	6G	6H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	99.0		91.8	47.4	94.7	94.3	90.1	41.6
	A	94.1		96.9	85.7	92.5	92.4	92.3	77.0
	B	97.7		93.8	91.4	89.9	90.5	92.1	80.9
	2	---	---	---	---	---	---	---	---
	C	97.2		91.3	95.0	73.4	88.3	85.8	77.3
	1	---	---	---	---	---	---	---	---
	D	98.9		87.6	92.1	77.4	74.2	65.5	76.1
	9	---	---	---	---	---	---	---	---
	F(2)	69.8		52.4	65.0	45.6	34.6	38.5	38.5
	F(1)	76.6		44.0	50.1	37.7	36.2	34.3	34.8
	4	---	---	---	---	---	---	---	---
	8	---	---	---	---	---	---	---	---
	10	---	---	---	---	---	---	---	---
	3	---	---	---	---	---	---	---	---

DATA SOURCE = SYRUP HOST MACHINE = H6060 MEMORY INTERLACE = ON

TABLE 27B. AVERAGE PROCESSOR TIME ACTIVE FOR P1 (PERCENTAGE)

CONFIGURATION	Code	6A	6B	6C	6D	6E	6F	6G	6H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	---	---	93.8	98.2	94.7	94.3	93.2	28.6
	A	---	---	97.4	86.2	93.6	93.1	92.8	76.9
	B	---	---	94.1	91.5	90.8	91.2	91.1	79.3
	2	---	---	---	---	---	---	---	---
	C	---	---	95.4	97.7	74.5	87.2	84.1	74.4
	1	---	---	---	---	---	---	---	---
	D	---	---	88.2	92.1	76.1	71.4	55.0	65.7
	9	---	---	---	---	---	---	---	---
	F(2)	---	---	53.3	63.9	29.6	20.7	6.0	5.6
	F(1)	---	---	46.4	51.3	19.0	19.4	2.6	2.5
	4	---	---	---	---	---	---	---	---
	8	---	---	---	---	---	---	---	---
	10	---	---	---	---	---	---	---	---
	3	---	---	---	---	---	---	---	---

DATA SOURCE = SYRUP HOST MACHINE = H6060 MEMORY INTERLACE = ON

TABLE 27C. AVERAGE PROCESSOR TIME ACTIVE FOR P2 (PERCENTAGE)

CONFIGURATION	Code	6A	6B	6C	6D	6E	6F	6G	6H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	---	---	---	---	97.9	96.4	93.0	36.2
	A	---	---	---	---	94.7	95.5	92.2	77.3
	B	---	---	---	---	95.5	94.3	93.5	80.2
	2	---	---	---	---	---	---	---	---
	C	---	---	---	---	78.1	90.0	85.0	77.7
	1	---	---	---	---	---	---	---	---
	D	---	---	---	---	84.3	77.6	63.4	72.5
	9	---	---	---	---	---	---	---	---
	F(2)	---	---	---	---	51.8	43.7	22.9	23.4
	F(1)	---	---	---	---	46.7	44.6	17.4	17.1
	4	---	---	---	---	---	---	---	---
	8	---	---	---	---	---	---	---	---
	10	---	---	---	---	---	---	---	---
	3	---	---	---	---	---	---	---	---

DATA SOURCE = SYRUP HOST MACHINE = H6060 MEMORY INTERLACE = ON

TABLE 27D. AVERAGE PROCESSOR TIME ACTIVE FOR P3 (PERCENTAGE)

CONFIGURATION									
	Code	6A	6B	6C	6D	6E	6F	6G	6H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	**E**	---	---	---	---	---	---	97.0	45.6
	A	---	---	---	---	---	---	95.1	80.3
	B	---	---	---	---	---	---	95.2	83.9
	2	---	---	---	---	---	---	---	---
	C	---	---	---	---	---	---	89.3	81.1
	1	---	---	---	---	---	---	---	---
	D	---	---	---	---	---	---	72.7	80.7
	9	---	---	---	---	---	---	---	---
	F(2)	---	---	---	---	---	---	47.4	48.3
	F(1)	---	---	---	---	---	---	43.6	44.7
	4	---	---	---	---	---	---	---	---
	8	---	---	---	---	---	---	---	---
	10	---	---	---	---	---	---	---	---
	3	---	---	---	---	---	---	---	---

DATA SOURCE = SYRUP HOST MACHINE = H6060 MEMORY INTERLACE = ON

TABLE 28A. AVERAGE PROCESSOR TIME OVERHEAD FOR P0 (PERCENTAGE)

CONFIGURATION	Code	6A	6B	6C	6D	6E	6F	6G	6H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	3.4		4.0	3.7	4.9	4.3	4.9	4.3
	A	8.6		15.6	13.6	20.7	20.4	25.5	22.0
	B	10.2		17.6	17.5	25.0	25.0	31.4	28.0
	2	---	---	---	---	---	---	---	---
	C	13.1		23.6	24.2	27.3	33.2	40.2	36.7
	1	---	---	---	---	---	---	---	---
	D	20.9		38.6	37.3	44.1	43.3	46.3	54.4
	9	---	---	---	---	---	---	---	---
	F(2)	26.4		34.8	43.9	41.2	31.6	37.5	37.5
	F(1)	31.0		31.3	36.3	35.4	34.6	33.6	34.2
	4	---	---	---	---	---	---	---	---
	8	---	---	---	---	---	---	---	---
	10	---	---	---	---	---	---	---	---
	3	---	---	---	---	---	---	---	---

DATA SOURCE = SYRUP HOST MACHINE = H6060 MEMORY INTERLACE = ON

TABLE 28B. AVERAGE PROCESSOR TIME OVERHEAD FOR P1 (PERCENTAGE)

CONFIGURATION	Code	6A	6B	6C	6D	6E	6F	6G	6H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	---	---	1.0	1.0	0.9	1.0	0.9	0.9
	A	---	---	1.4	1.3	1.3	1.3	1.2	0.9
	B	---	---	1.3	1.5	1.4	1.5	1.5	1.2
	2	---	---	---	---	---	---	---	---
	C	---	---	2.0	2.1	1.7	2.3	2.2	1.9
	1	---	---	---	---	---	---	---	---
	D	---	---	3.8	4.3	3.3	3.5	2.5	3.0
	9	---	---	---	---	---	---	---	---
	F(2)	---	---	5.2	6.2	3.1	2.0	0.6	0.6
	F(1)	---	---	4.9	5.4	2.2	2.1	0.3	0.3
	4	---	---	---	---	---	---	---	---
	8	---	---	---	---	---	---	---	---
	10	---	---	---	---	---	---	---	---
	3	---	---	---	---	---	---	---	---

DATA SOURCE = SYRUP HOST MACHINE = H6060 MEMORY INTERLACE = ON

TABLE 28C. AVERAGE PROCESSOR TIME OVERHEAD FOR P2 (PERCENTAGE)

CONFIGURATION	Code	6A	6B	6C	6D	6E	6F	6G	6H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	---	---	---	---	1.0	1.0	0.9	0.8
	A	---	---	---	---	1.1	1.3	1.1	0.9
	B	---	---	---	---	1.4	1.5	1.5	1.3
	2	---	---	---	---	---	---	---	---
	C	---	---	---	---	1.7	2.4	2.3	2.0
	1	---	---	---	---	---	---	---	---
	D	---	---	---	---	3.4	3.8	3.0	3.5
	9	---	---	---	---	---	---	---	---
	F(2)	---	---	---	---	5.0	3.8	2.3	2.2
	F(1)	---	---	---	---	4.7	4.4	1.8	1.8
	4	---	---	---	---	---	---	----	---
	8	---	---	---	---	---	---	---	---
	10	---	---	---	---	---	---	---	---
	3	---	---	---	---	---	---	---	---

DATA SOURCE = SYRUP HOST MACHINE = H6060 MEMORY INTERLACE = ON

TABLE 28D. AVERAGE PROCESSOR TIME OVERHEAD FOR P3 (PERCENTAGE)

CONFIGURATION									
	Code	6A	6B	6C	6D	6E	6F	6G	6H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	**E**	---	---	---	---	---	---	1.0	0.9
	A	---	---	---	---	---	---	1.2	1.0
	B	---	---	---	---	---	---	1.6	1.3
	2	---	---	---	---	---	---	---	---
	C	---	---	---	---	---	---	2.5	2.3
	1	---	---	---	---	---	---	---	---
	D	---	---	---	---	---	---	3.3	4.0
	9	---	---	---	---	---	---	---	---
	F(2)	---	---	---	---	---	---	4.4	4.5
	F(1)	---	---	---	---	---	---	4.2	4.4
	4	---	---	---	---	---	---	---	---
	8	---	---	---	---	---	---	---	---
	10	---	---	---	---	---	---	---	---
	3	---	---	---	---	---	---	---	---

DATA SOURCE = SYRUP HOST MACHINE = H6060 MEMORY INTERLACE = ON

TABLE 29A. AVERAGE MEMORY USED IN QUADRANT 1 (K WORDS)

CONFIGURATION	Code	6A	6B	6C	6D	6E	6F	6G	6H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	238.5		229.7	216.6	224.7	180.8	172.5	137.3
	A	229.9		235.6	208.5	222.2	174.9	186.2	156.2
	B	235.9		226.3	205.8	224.6	183.1	184.7	137.1
	2	---	---	---	---	---	---	---	---
	C	235.4		229.7	214.3	191.1	170.8	185.7	145.1
	1	---	---	---	---	---	---	---	---
	D	239.8		232.2	218.2	225.7	188.0	178.1	150.4
	9	---	---	---	---	---	---	---	---
	F(2)	184.2		194.5	157.9	167.6	112.9	113.7	43.0
	F(1)	183.8		175.4	118.2	145.7	111.7	84.3	43.0
	4	---	---	---	---	---	---	---	---
	8	---	---	---	---	---	---	---	---
	10	---	---	---	---	---	---	---	---
	3	---	---	---	---	---	---	---	---

DATA SOURCE = SYRUP HOST MACHINE = H6060 MEMORY INTERLACE = ON

TABLE 29B. AVERAGE MEMORY USED IN QUADRANT 2 (K WORDS)

CONFIGURATION	Code	6A	6B	6C	6D	6E	6F	6G	6H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	---	---	---	208.2	109.7	178.1	172.4	133.8
	A	---	---	---	180.9	105.5	183.5	177.0	120.1
	B	---	---	---	200.4	106.8	191.0	183.8	145.1
	2	---	---	---	---	---	---	---	---
	C	---	---	---	210.3	91.5	185.2	177.9	132.6
	1	---	---	---	---	---	---	---	---
	D	---	---	---	206.1	110.0	164.4	160.0	137.7
	9	---	---	---	---	---	---	---	---
	F(2)	---	---	---	146.2	91.5	81.5	115.4	62.0
	F(1)	---	---	---	128.2	70.2	74.1	83.6	69.1
	4	---	---	---	---	---	---	---	---
	8	---	---	---	---	---	---	---	---
	10	---	---	---	---	---	---	---	---
	3	---	---	---	---	---	---	---	---

DATA SOURCE = SYRUP HOST MACHINE = H6060 MEMORY INTERLACE = ON

TABLE 29C. AVERAGE MEMORY USED IN QUADRANT 3 (K WORDS)

CONFIGURATION	Code	6A	6B	6C	6D	6E	6F	6G	6H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	---	---	---	---	---	168.7	177.6	141.7
	A	---	---	---	---	---	193.3	186.1	145.1
	B	---	---	---	---	---	176.4	184.3	127.5
	2	---	---	---	---	---	---	---	---
	C	---	---	---	---	---	173.8	159.1	109.9
	1	---	---	---	---	---	---	---	---
	D	---	---	---	---	---	168.8	159.8	141.2
	9	---	---	---	---	---	---	---	---
	F(2)	---	---	---	---	---	42.4	40.6	102.6
	F(1)	---	---	---	---	---	79.8	93.1	82.6
	4	---	---	---	---	---	---	---	---
	8	---	---	---	---	---	---	---	---
	10	---	---	---	---	---	---	---	---
	3	---	---	---	---	---	---	---	---

DATA SOURCE = SYRUP HOST MACHINE = H6060 MEMORY INTERLACE = ON

TABLE 29D. AVERAGE MEMORY USED IN QUADRANT 4 (K WORDS)

CONFIGURATION	Code	6A	6B	6C	6D	6E	6F	6G	6H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	---	---	---	---	---	---	---	136.7
	A	---	---	---	---	---	---	---	125.1
	B	---	---	---	---	---	---	---	136.8
	2	---	---	---	---	---	---	---	---
	C	---	---	---	---	---	---	---	131.6
	1	---	---	---	---	---	---	---	---
	D	---	---	---	---	---	---	---	151.2
	9	---	---	---	---	---	---	---	---
	F(2)	---	---	---	---	---	---	---	78.2
	F(1)	---	---	---	---	---	---	---	87.6
	4	---	---	---	---	---	---	---	---
	8	---	---	---	---	---	---	---	---
	10	---	---	---	---	---	---	---	---
	3	---	---	---	---	---	---	---	---

DATA SOURCE = SYRUP HOST MACHINE = H6060 MEMORY INTERLACE = ON

TABLE 30A. AVERAGE COUNT OF CONNECTS FOR IOM-0, CHANNEL 8

CONFIGURATION									
	Code	6A	6B	6C	6D	6E	6F	6G	6H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IONs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	**E**	16.2		28.5	21.1	34.4	27.1	32.2	34.6
	A	80.6		137.3	99.6	158.5	134.8	155.5	137.1
	B	99.5		150.0	133.4	176.8	159.3	168.1	158.3
	2	---	---	---	---	---	---	---	---
	C	127.8		189.9	165.1	168.9	171.5	179.9	156.2
	1	---	---	---	---	---	---	---	---
	D	172.2		194.6	183.1	236.9	166.4	173.4	194.7
	9	---	---	---	---	---	---	---	---
	F(2)	177.8		238.5	222.6	234.4	180.6	197.2	219.3
	F(1)	246.5		262.4	233.1	247.1	239.2	256.9	263.3
	4	---	---	---	---	---	---	---	---
	8	---	---	---	---	---	---	---	---
	10	---	---	---	---	---	---	---	---
	3	---	---	---	---	---	---	---	---

DATA SOURCE = SYRUP HOST MACHINE = H6060 MEMORY INTERLACE = ON

TABLE 30B. AVERAGE COUNT OF CONNECTS FOR IOM-0, CHANNEL 9

	Code	6A	6B	6C	6D	6E	6F	6G	6H
CONFIGURATION	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	0.0		0.0	0.0	0.0	0.0	0.0	0.0
	A	0.0		0.0	0.0	0.1	0.1	0.2	0.2
	B	0.0		0.0	0.0	0.7	0.3	1.0	0.7
	2	---	---	---	---	---	---	---	---
	C	0.0		0.5	0.2	1.8	3.2	4.6	6.1
	1	---	---	---	---	---	---	---	---
	D	0.0		53.1	9.0	21.7	14.5	24.2	31.1
	9	---	---	---	---	---	---	---	---
	F(2)	0.0		10.6	14.7	24.0	17.2	22.8	19.5
	F(1)	0.0		8.4	17.2	21.7	18.0	16.6	14.6
	4	---	---	---	---	---	---	---	---
	8	---	---	---	---	---	---	---	---
	10	---	---	---	---	---	---	---	---
	3	---	---	---	---	---	---	---	---

DATA SOURCE = SYRUP HOST MACHINE = H6060 MEMORY INTERLACE = ON

TABLE 30C. AVERAGE COUNT OF CONNECTS FOR IOM-0, CHANNEL 10

CONFIGURATION	Code	6A	6B	6C	6D	6E	6F	6G	6H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	0.3		0.9	1.0	1.2	1.6	2.6	2.7
	A	3.0		12.3	12.1	20.2	34.9	45.4	41.6
	B	4.1		16.8	18.3	34.6	47.5	68.3	54.0
	2	---	---	---	---	---	---	---	---
	C	6.8		27.4	31.7	41.7	74.7	100.0	91.1
	1	---	---	---	---	---	---	---	---
	D	16.9		124.7	76.7	92.8	108.4	132.2	147.5
	9	---	---	---	---	---	---	---	---
	F(2)	16.0		63.5	94.5	89.2	60.9	79.7	82.1
	F(1)	15.7		47.7	61.7	59.0	58.2	46.9	53.2
	4	---	---	---	---	---	---	---	---
	8	---	---	---	---	---	---	---	---
	10	---	---	---	---	---	---	---	---
	3	---	---	---	---	---	---	---	---

DATA SOURCE = SYRUP HOST MACHINE = H6060 MEMORY INTERLACE = ON

TABLE 30D. AVERAGE COUNT OF CONNECTS FOR IOM-0, CHANNEL 11

CONFIGURATION	Code	6A	6B	6C	6D	6E	6F	6G	6H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	0.0		0.0	0.0	0.0	0.0	0.0	0.0
	A	0.0		0.7	0.4	1.0	5.3	9.2	12.6
	B	0.1		0.4	1.2	2.7	9.6	17.2	13.5
	2	---	---	---	---	---	---	---	---
	C	0.1		1.9	1.7	5.2	22.4	43.3	42.9
	1	---	---	---	---	---	---	---	---
	D	0.6		7.1	18.3	15.7	64.1	55.0	97.8
	9	---	---	---	---	---	---	---	---
	F(2)	0.4		8.0	13.2	14.1	9.4	12.9	12.3
	F(1)	0.6		4.4	8.0	9.4	9.0	5.5	7.7
	4	---	---	---	---	---	---	---	---
	8	---	---	---	---	---	---	---	---
	10	---	---	---	---	---	---	---	---
	3	---	---	---	---	---	---	---	---

DATA SOURCE = SYRUP HOST MACHINE = H6060 MEMORY INTERLACE = ON

TABLE 31A. AVERAGE COUNT OF CONNECTS FOR IOM-1, CHANNEL 8

CONFIGURATION	Code	6A	6B	6C	6D	6E	6F	6G	6H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	10.0		17.9	14.2	22.2	17.9	21.3	23.2
	A	43.6		84.4	76.2	105.7	119.0	136.7	112.4
	B	50.9		92.0	91.5	120.0	128.2	150.1	135.4
	2	---	---	---	---	---	---	---	---
	C	68.4		126.9	122.9	122.5	149.3	159.0	150.4
	1	---	---	---	---	---	---	---	---
	D	98.9		137.7	157.0	191.6	174.9	173.2	187.5
	9	---	---	---	---	---	---	---	---
	F(2)	101.4		179.7	203.3	190.7	137.7	173.3	184.0
	F(1)	86.6		148.8	161.4	171.8	136.1	135.9	136.7
	4	---	---	---	---	---	---	---	---
	8	---	---	---	---	---	---	---	---
	10	---	---	---	---	---	---	---	---
	3	---	---	---	---	---	---	---	---

DATA SOURCE = SYRUP HOST MACHINE = H6060 MEMORY INTERLACE = ON

TABLE 31B. AVERAGE COUNT OF CONNECTS FOR IOM-1, CHANNEL 9

CONFIGURATION	Code	6A	6B	6C	6D	6E	6F	6G	6H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	0.0		0.0	0.0	0.0	0.0	0.0	0.0
	A	0.0		0.0	0.0	0.0	0.0	0.2	0.8
	B	0.0		0.0	0.0	0.0	0.4	2.1	2.9
	2	---	---	---	---	---	---	---	---
	C	0.0		0.0	0.0	0.0	1.1	5.5	7.0
	1	---	---	---	---	---	---	---	---
	D	0.0		5.4	2.1	0.5	14.2	9.3	21.0
	9	---	---	---	---	---	---	---	---
	F(2)	0.0		0.1	0.2	0.3	0.2	0.5	0.3
	F(1)	0.0		0.1	0.1	0.2	0.5	0.1	0.1
	4	---	---	---	---	---	---	---	---
	8	---	---	---	---	---	---	---	---
	10	---	---	---	---	---	---	---	---
	3	---	---	---	---	---	---	---	---

DATA SOURCE = SYRUP HOST MACHINE = H6060 MEMORY INTERLACE = ON

TABLE 31C. AVERAGE COUNT OF CONNECTS FOR IOM-1, CHANNEL 10

CONFIGURATION	Code	6A	6B	6C	6D	6E	6F	6G	6H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	0.9		2.7	3.3	4.7	5.5	7.1	7.3
	A	9.4		44.9	29.4	65.7	47.9	67.3	57.5'
	B	15.0		52.1	43.6	85.7	70.5	94.1	89.5
	2	---	---	---	---	---	---	---	---
	C	22.2		86.3	70.6	103.8	97.6	113.2	100.2
	1	---	---	---	---	---	---	---	---
	D	51.2		55.6	111.3	187.3	121.2	135.4	158.6
	9	---	---	---	---	---	---	---	---
	F(2)	120.3		173.5	169.4	181.4	130.4	154.7	155.4
	F(1)	149.2		151.6	150.5	156.3	165.3	157.1	166.7
	4	---	---	---	---	---	---	---	---
	8	---	---	---	---	---	---	---	---
	10	---	---	---	---	---	---	---	---
	3	---	---	---	---	---	---	---	---

DATA SOURCE = SYRUP HOST MACHINE = H6060 MEMORY INTERLACE = ON

TABLE 31D. AVERAGE COUNT OF CONNECTS FOR IOM-1, CHANNEL 11

CONFIGURATION	Code	6A	6B	6C	6D	6E	6F	6G	6H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	0.0		0.1	0.1	0.3	0.2	0.3	0.4
	A	0.4		5.1	3.1	11.0	7.2	11.7	11.4
	B	1.1		6.2	4.8	20.8	11.7	24.2	22.2
	2	---	---	---	---	---	---	---	---
	C	2.3		17.5	14.3	38.1	31.4	40.4	44.6
	1	---	---	0.1	---	---	---	---	---
	D	17.5		---	54.2	117.5	64.9	92.9	110.3
	9	---	---	87.9	---	---	---	---	---
	F(2)	59.1		71.8	93.2	114.1	83.9	95.3	88.9
	F(1)	63.1		---	73.8	87.4	70.2	68.0	64.6
	4	---	---	---	---	---	---	---	---
	8	---	---	---	---	---	---	---	---
	10	---	---	---	---	---	---	---	---
	3	---	---	---	---	---	---	---	---

DATA SOURCE = SYRUP HOST MACHINE = H6060 MEMORY INTERLACE = ON

TABLE 32. TOTAL CONNECTS FOR WORKLOAD ONLY

CONFIGURATION									
	Code	6A	6B	6C	6D	6E	6F	6G	6H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	6,787		6,533	5,786	6,110	5,714	5,694	5,681
	A	37,211		36,799	36,076	36,222	35,933	35,962	35,904
	B	42,781		42,190	41,894	42,217	41,871	41,827	41,706
	2	---	---	---	---	---	---	---	---
	C	51,585		51,228	50,516	50,771	50,555	50,508	50,466
	1	---	---	---	---	---	---	---	---
	D	108,142		109,087	107,065	107,357	107,028	107,009	106,983
	9	---	---	---	---	---	---	---	---
	F(2)	64,170		64,079	63,833	63,939	63,793	63,793	63,793
	F(1)	93,266		93,137	92,810	92,916	92,722	92,722	92,720
	4	---	---	---	---	---	---	---	---
	8	---	---	---	---	---	---	---	---
	10	---	---	---	---	---	---	---	---
	3	---	---	---	---	---	---	---	---

DATA SOURCE = MSM HOST MACHINE = H6060 MEMORY INTERLACE = ON

TABLE 33. TOTAL ELAPSED TIME

(MINUTES)

CONFIGURATION									
	Code	8A	8B	8C	8D	8E	8F	8G	8H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E					19.749	19.398	15.285	15.103
	A					12.862	12.794	10.904	**
	B					12.136	12.209	9.745	9.493
	2					10.199	9.501	7.107	8.077
	C					11.885	11.466	9.715	9.493
	1					32.409	30.626	30.909	29.649
	D					20.580	16.948	16.151	16.358
	9					31.743	26.325	26.798	26.000
	F(2)					13.644	11.947	12.416	12.722
	F(1)					20.391	18.501	20.755	24.258
	4					44.332	33.798	33.649	35.689
	8					34.638	26.649	25.075	31.416
	10					58.751	44.765	43.172	46.541
	3					27.851	23.856	22.272	23.602

DATA SOURCE = GESEP HOST MACHINE = H6080 INTERLACE MEMORY = OFF

TABLE 34. TOTAL PROCESSOR TIME

(MINUTES)

CONFIGURATION	Code	8A	8B	8C	8D	8E	8F	8G	8H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E					55.449	55.427	56.982	56.191
	A					33.109	33.165	34.344	**
	B					29.990	30.156	31.260	30.642
	2					20.793	21.032	19.991	21.352
	C					24.928	25.114	26.721	26.471
	1					29.771	29.309	29.521	29.798
	D					28.251	28.905	29.558	29.179
	9					23.220	24.352	23.351	23.421
	F(2)					6.426	6.383	6.367	6.425
	F(1)					8.349	8.468	8.326	9.736
	4					22.921	23.672	23.422	23.954
	8					17.663	18.156	17.871	17.971
	10					28.150	28.967	28.701	28.680
	3					14.232	14.509	14.436	14.473

DATA SOURCE = GESEP HOST MACHINE = H6080 MEMORY INTERLACE = OFF

TABLE 35. TOTAL CHANNEL TIME

(MINUTES)

CONFIGURATION	Code	8A	8B	8C	8D	8E	8F	8G	8H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E					0.952	1.009	1.021	0.995
	A					15.335	15.789	16.472	**
	B					19.577	18.945	20.380	20.923
	2					17.270	16.999	16.617	17.565
	C					24.336	25.461	23.948	23.921
	1					55.824	54.063	52.773	51.812
	D					52.968	53.219	51.720	53.530
	9					83.493	84.071	84.329	86.000
	F(2)					29.423	28.186	27.640	27.911
	F(1)					38.720	39.422	40.760	39.134
	4					110.160	119.800	118.043	123.171
	8					88.263	94.042	89.565	96.584
	10					152.350	154.795	156.222	157.521
	3					75.894	79.305	77.313	77.492

DATA SOURCE - GESEP HOST MACHINE = H6080 MEMORY INTERLACE = OFF

TABLE 36. CHANNEL TIME/PROCESSOR TIME

(MINUTES)

CONFIGURATION	Code	8A	8B	8C	8D	8E	8F	8G	8H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E					0.01	0.01	0.01	0.01
	A					0.46	0.47	0.47	**
	B					0.65	0.62	0.65	0.68
	2					0.83	0.80	0.83	0.82
	C					0.97	1.01	0.89	0.90
	1					1.87	1.84	1.78	1.73
	D					1.87	1.84	1.74	1.83
	9					3.59	3.45	3.61	3.67
	F(2)					4.57	4.41	4.34	4.34
	F(1)					4.63	4.65	4.89	4.01
	4					4.80	5.06	5.03	5.14
	8					4.99	5.17	5.01	5.37
	10					5.41	5.34	5.44	5.49
	3					5.33	5.46	5.35	5.35

DATA SOURCE = GESEP HOST MACHINE = H6080 MEMORY INTERLACE = OFF

TABLE 37. MPD MAXIMUM VALUE

CONFIGURATION									
	Code	8A	8B	8C	8D	8E	8F	8G	8H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E					23		33	33
	A					23	32	**	34
	B					23	32	33	34
	2					21	27	31	33
	C					22	32	32	33
	1					19	26	26	26
	D					23		33	33
	9					22	30	30	33
	F(2)					18		19	20
	F(1)					16		26	26
	4					20	30	29	33
	8					22	32	30	33
	10					21	30	31	33
	3					24	33	33	33

DATA SOURCE = SYRUP HOST MACHINE = H6080 MEMORY INTERLACE = OFF

TABLE 38. MPD AVERAGE VALUE

CONFIGURATION	Code	8A	8B	8C	8D	8E	8F	8G	8H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E					13.3		22.6	24.7
	A					8.0	23.9	**	25.6
	B					12.8	21.7	21.7	23.6
	2					11.3	15.8	18.0	18.0
	C					12.2	21.8	20.4	19.6
	1					9.0	10.4	9.7	10.4
	D					12.5		22.4	24.5
	9					13.7	22.3	18.4	24.3
	F(2)					8.9		10.2	10.3
	F(1)					7.7		10.6	9.3
	4					13.5	23.4	19.9	25.8
	8					14.8	24.6	19.8	23.7
	10					14.1	20.4	24.0	24.4
	3					15.1	22.6	22.8	22.8

DATA SOURCE = SYRUP HOST MACHINE = H6080 MEMORY INTERLACE = OFF

TABLE 39. AVERAGE PROCESSOR UTILIZATION FOR USER PROGRAMS

(PERCENTAGE)

CONFIGURATION	Code	8A	8B	8C	8D	8E	8F	8G	8H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E					72.3		85.9	91.1
	A					38.6	83.4	**	80.6
	B					68.7	79.1	72.6	75.4
	2					57.7	55.9	63.9	58.2
	C					60.0	71.5	65.1	61.6
	1					30.3	31.5	23.5	24.5
	D					38.5		44.5	43.6
	9					24.2	30.5	19.3	22.7
	F(2)					13.9		12.0	11.7
	F(1)					12.9		9.6	9.5
	4					17.2	23.1	15.6	15.8
	8					17.0	22.7	14.8	14.3
	10					16.0	18.4	16.2	14.9
	3					17.0	19.9	15.1	15.6

DATA SOURCE = SYRUP HOST MACHINE = H6080 MEMORY INTERLACE = OFF

TABLE 40. AVERAGE PROCESSOR UTILIZATION FOR SYSTEM PROGRAMS

(PERCENTAGE)

CONFIGURATION	Code	8A	8B	8C	8D	8E	8F	8G	8H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E					2.1		2.3	2.3
	A					4.2	9.2	**	8.5
	B					9.2	10.6	10.2	10.4
	2					10.6	10.1	12.6	10.1
	C					11.3	13.7	12.0	10.8
	1					8.9	9.5	7.1	7.2
	D					11.7		14.1	13.4
	9					13.8	17.3	11.5	13.1
	F(2)					10.8		9.3	8.7
	F(1)					10.5		7.8	7.5
	4					13.5	17.8	12.4	12.5
	8					13.7	18.4	12.3	11.7
	10					13.0	15.1	13.7	12.5
	3					14.5	16.9	13.1	12.4

DATA SOURCE = SYRUP HOST MACHINE = H6080 MEMORY INTERLACE = OFF

TABLE 41. AVERAGE IOM UTILIZATION FOR USER PROGRAMS

(PERCENTAGE)

CONFIGURATION	Code	8A	8B	8C	8D	8E	8F	8G	8H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E					0.0		0.0	0.0
	A					0.1	0.5	**	0.0
	B					0.7	0.2	0.6	0.1
	2					1.5	1.2	0.1	0.1
	C					0.4	0.9	0.5	0.0
	1					0.9	0.0	0.0	0.0
	D					2.7		0.8	0.0
	9					1.3	2.7	2.0	1.3
	F(2)					0.5		0.1	0.0
	F(1)					1.2		0.0	12.3
	4					5.8	2.3	1.7	10.6
	8					2.9	1.1	0.0	0.0
	10					4.9	1.0	1.3	0.0
	3					5.0	1.6	5.0	0.0

DATA SOURCE = SYRUP HOST MACHINE = H6080 MEMORY INTERLACE = OFF

TABLE 42. AVERAGE IOM UTILIZATION FOR SYSTEM PROGRAMS

(PERCENTAGE)

CONFIGURATION	Code	8A	8B	8C	8D	8E	8F	8G	8H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E					1.5		1.3	1.0
	A					2.0	3.8	**	2.7
	B					3.9	4.1	3.8	3.0
	2					5.7	3.8	9.8	3.3
	C					4,9	4.2	3.4	2.5
	1					0.8	0.6	0.5	0.4
	D					2.6		4.5	2.0
	9					2.0	1.9	1.2	1.2
	F(2)					2.5		1.8	1.6
	F(1)					1.8		1.1	0.8
	4					1.4	1.5	1.1	0.8
	8					1.7	2.0	1.4	1.0
	10					0.9	1.0	1.0	0.6
	3					43.3	1.9	1.6	1.2

DATA SOURCE = SYRUP HOST MACHINE = H6080 MEMORY INTERLACE - OFF

TABLE 43A. AVERAGE PROCESSOR TIME ACTIVE FOR PO (PERCENTAGE)

CONFIGURATION	Code	8A	8B	8C	8D	8E	8F	8G	8H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E					72.8		85.7	90.9
	A					42.0	91.3	**	85.8
	B					75.6		78.9	84.1
	2					59.2	62.8	70.7	62.8
	C					66.5		75.7	68.1
	1					30.6	34.5	27.9	28.7
	D					45.1		55.5	54.2
	9					38.1	49.0	37.5	43.0
	F(2)					26.5		29.2	27.5
	F(1)					25.7		25.0	23.4
	4					34.2	45.7	40.5	40.8
	8					34.6	46.4	39.7	37.8
	10					32.9	38.4	45.4	41.1
	3					36.1	41.6	42.1	39.7

DATA SOURCE = SYRUP HOST MACHINE = H6080 MEMORY INTERLACE = OFF

TABLE 43B. AVERAGE PROCESSOR TIME ACTIVE FOR P1 (PERCENTAGE)

CONFIGURATION	Code	8A	8B	8C	8D	8E	8F	8G	8H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	---	---			73.5		88.2	91.7
	A	---	---			42.5	92.8	**	86.4
	B	---	---			77.8		80.3	83.6
	2	---	---			72.5	65.0	74.8	66.2
	C	---	---			70.6		74.5	69.4
	1	---	---			24.3	28.9	16.6	17.8
	D	---	---			46.3		49.5	48.8
	9	---	---			27.0	37.3	12.2	16.5
	F(2)	---	---			12.9		2.4	2.5
	F(1)	---	---			10.0		0.8	1.6
	4	---	---			16.4	27.0	5.0	4.8
	8	---	---			16.1	26.9	4.2	4.0
	10	---	---			14.4	21.1	3.6	3.3
	3	---	---			17.1	22.6	3.3	3.0

DATA SOURCE = SYRUP HOST MACHINE = H6080 MEMORY INTERLACE = OFF

TABLE 43C. AVERAGE PROCESSOR TIME ACTIVE FOR P2 (PERCENTAGE)

CONFIGURATION	Code	8A	8B	8C	8D	8E	8F	8G	8H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	---	---	---	---	77.3		87.3	94.5
	A	---	---	---	---	44.3	93.8	**	92.9
	B	---	---	---	---	80.5		84.3	86.4
	2	---	---	---	---	73.2	70.4	77.8	71.1
	C	---	---	---	---	77.1		75.1	74.7
	1	---	---	---	---	63.1	60.2	33.8	26.1
	D	---	---	---	---	59.5		60.0	56.9
	9	---	---	---	---	49.1	57.2	28.0	31.1
	F(2)	---	---	---	---	34.9		14.4	13.6
	F(1)	---	---	---	---	34.5		9.4	9.5
	4	---	---	---	---	41.5	50.4	22.6	22.4
	8	---	---	---	---	41.6	50.3	21.7	19.9
	10	---	---	---	---	39.8	41.3	23.3	21.1
	3	---	---	---	---	41.2	46.1	22.0	23.3

DATA SOURCE = SYRUP HOST MACHINE = H6080 MEMORY INTERLACE = OFF

TABLE 43D. AVERAGE PROCESSOR TIME ACTIVE FOR P3 (PERCENTAGE)

CONFIGURATION	Code	8A	8B	8C	8D	8E	8F	8G	8H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	---	---	---	---	---	---	91.8	96.7
	A	---	---	---	---	---	---	**	91.2
	B	---	---	---	---	---	---	87.8	89.4
	2	---	---	---	---	---	---	82.7	73.8
	C	---	---	---	---	---	---	83.3	77.7
	1	---	---	---	---	---	---	45.1	54.6
	D	---	---	---	---	---	---	70.0	68.4
	9	---	---	---	---	---	---	45.4	52.6
	F(2)	---	---	---	---	---	---	39.0	38.3
	F(1)	---	---	---	---	---	---	34.4	33.4
	4	---	---	---	---	---	---	43.7	45.3
	8	---	---	---	---	---	---	43.2	42.1
	10	---	---	---	---	---	---	48.0	43.8
	3	---	---	---	---	---	---	46.1	46.3

DATA SOURCE = SYRUP HOST MACHINE = H6080 MEMORY INTERLACE = OFF

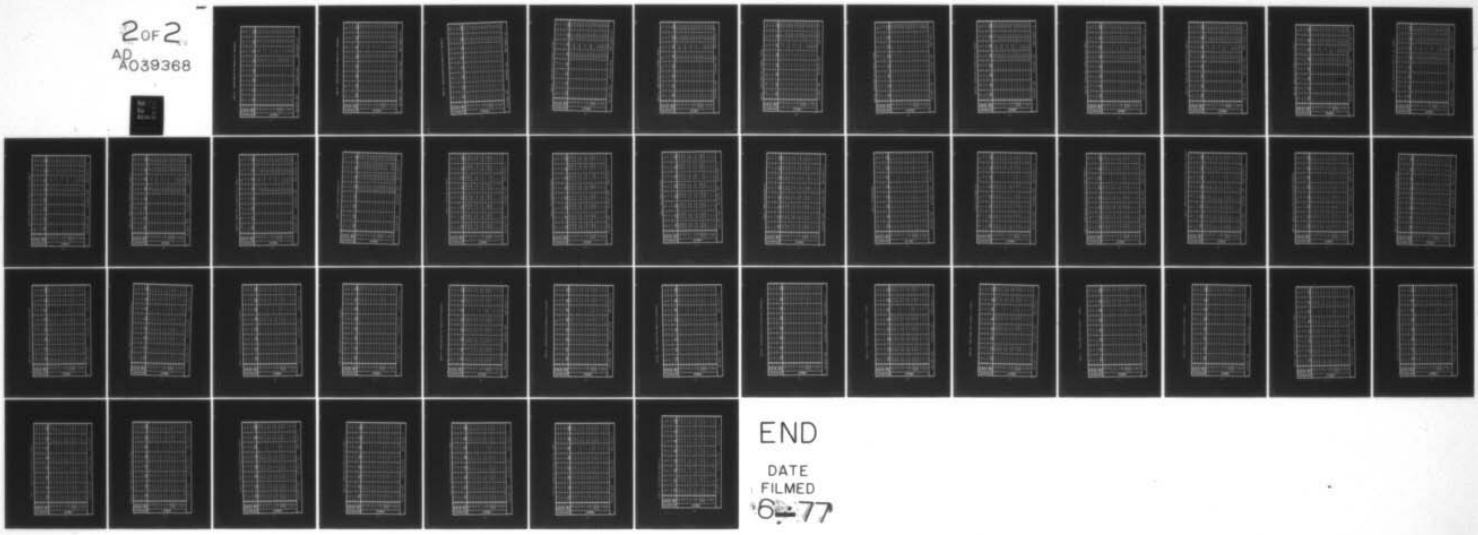
TABLE 44A. AVERAGE PROCESSOR TIME OVERHEAD FOR PO (PERCENTAGE)

CONFIGURATION	Code	8A	8B	8C	8D	8E	8F	8G	8H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E					3.3		4.3	4.5
	A					9.6	20.4	**	24.8
	B					21.3		30.5	31.3
	2					23.4	22.6	35.1	30.1
	C					26.3		36.4	33.6
	1					22.2	24.0	23.4	23.5
	D					28.2		43.3	42.2
	9					33.1	42.0	36.4	41.7
	F(2)					24.7		28.6	26.9
	F(1)					24.5		24.6	22.8
	4					32.6	43.4	39.7	40.2
	8					32.8	44.1	39.0	37.3
	10					31.7	36.9	44.8	40.6
	3					34.4	40.1	41.5	39.2

DATA SOURCE = SYRUP HOST MACHINE = H6080 MEMORY INTERLACE = OFF

AD-A039 368 MITRE CORP BEDFORD MASS F/G 9/2
WWMCCS H6000 MULTIPROCESSOR PERFORMANCE EVALUATION. VOLUME II.(U)
FEB 77 G A NELSON F19628-77-C-0001
UNCLASSIFIED MTR-3350-VOL-2 ESD-TR-77-18-VOL-2 NL

2 OF 2
AD A039368



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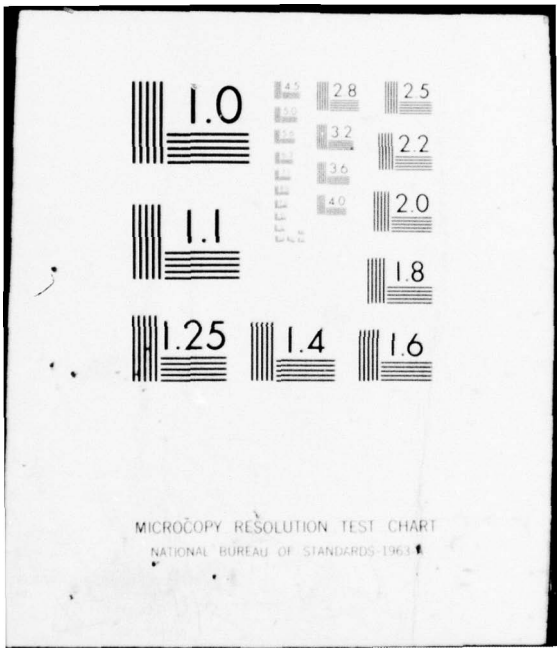
1.0
1.1
1.25
1.4
1.6
1.8
2.0
2.2
2.5
2.8
3.2
3.6
4.0
4.5
MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

TABLE 44B. AVERAGE PROCESSOR TIME OVERHEAD FOR P1 (PERCENTAGE)

CONFIGURATION	Code	8A	8B	8C	8D	8E	8F	8G	8H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	---	---			0.2		0.1	0.1
	A	---	---			0.4	0.9	**	1.0
	B	---	---			0.8		1.2	1.2
	2	---	---			1.3	1.3	1.7	1.2
	C	---	---			1.3		1.5	1.4
	1	---	---			1.2	1.2	0.5	0.4
	D	---	---			2.0		1.9	1.6
	9	---	---			2.1	3.1	0.9	1.0
	F(2)	---	---			1.5		0.2	0.1
	F(1)	---	---			1.2		0.0	0.5
	4	---	---			1.8	3.1	0.6	0.7
	8	---	---			1.8	3.1	0.6	0.5
	10	---	---			1.7	2.5	0.6	0.5
	3	---	---			2.1	2.8	0.7	0.6

DATA SOURCE = SYRUP HOST MACHINE = H6080 MEMORY INTERLACE = OFF

TABLE 44C. AVERAGE PROCESSOR TIME OVERHEAD FOR P2 (PERCENTAGE)

CONFIGURATION	Code	8A	8B	8C	8D	8E	8F	8G	8H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	---	---	---	---	0.2		0.1	0.1
	A	---	---	---	---	0.4	1.0	**	0.9
	B	---	---	---	---	0.9		1.2	1.2
	2	---	---	---	---	1.3	1.2	1.6	1.3
	C	---	---	---	---	1.3		1.7	1.6
	1	---	---	---	---	2.3	2.6	1.0	1.1
	D	---	---	---	---	2.3		2.4	2.4
	9	---	---	---	---	4.0	4.4	2.3	2.7
	F(2)	---	---	---	---	3.5		1.6	1.5
	F(1)	---	---	---	---	3.6		1.1	1.3
	4	---	---	---	---	4.2	5.2	2.5	2.5
	8	---	---	---	---	4.3	5.4	2.6	2.2
	10	---	---	---	---	4.3	4.5	2.8	2.5
	3	---	---	---	---	4.6	5.0	2.7	2.5

DATA SOURCE = SYRUP HOST MACHINE = H6080 MEMORY INTERLACE = OFF

TABLE 44D. AVERAGE PROCESSOR TIME OVERHEAD FOR P3 (PERCENTAGE)

CONFIGURATION	Code	8A	8B	8C	8D	8E	8F	8G	8H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	---	---	---	---	---	---	0.1	0.1
	A	---	---	---	---	---	---	**	1.1
	B	---	---	---	---	---	---	1.3	1.4
	2	---	---	---	---	---	---	1.9	1.6
	C	---	---	---	---	---	---	2.1	1.8
	1	---	---	---	---	---	---	2.5	2.7
	D	---	---	---	---	---	---	3.4	3.4
	9	---	---	---	---	---	---	4.1	4.6
	F(2)	---	---	---	---	---	---	3.7	3.6
	F(1)	---	---	---	---	---	---	3.5	3.6
	4	---	---	---	---	---	---	4.8	4.9
	8	---	---	---	---	---	---	4.6	4.5
	10	---	---	---	---	---	---	5.5	4.8
	3	---	---	---	---	---	---	5.1	4.8

DATA SOURCE = SYRUP HOST MACHINE = H6080 MEMORY INTERLACE = OFF

TABLE 45A. AVERAGE MEMORY USED IN QUADRANT 1 (K WORDS)

CONFIGURATION	Code	8A	8B	8C	8D	8E	8F	8G	8H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E					193.3		174.4	147.4
	A					145.8	188.8	**	172.8
	B					199.4		183.0	158.0
	2					196.3	139.4	174.9	132.6
	C					200.2		178.7	149.0
	1					155.9	91.7	81.9	81.3
	D					197.4		179.0	163.9
	9					223.0	188.9	148.7	147.0
	F(2)					160.8		92.3	56.5
	F(1)					153.7		92.2	86.2
	4					236.6	199.4	181.4	168.7
	8					233.0	203.2	171.2	146.1
	10					232.0	175.1	192.4	150.7
	3					221.8	175.0	175.4	150.6

DATA SOURCE = SYRUP HOST MACHINE = H6080 MEMORY INTERLACE = OFF

TABLE 45B. AVERAGE MEMORY USED IN QUADRANT 2 (K WORDS)

CONFIGURATION	Code	8A	8B	8C	8D	8E	8F	8G	8H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	---		---		89.3		159.5	146.1
	A	---		---		55.3	181.5	**	137.4
	B	---		---		96.7		158.9	134.7
	2	---		---		91.4	140.1	144.6	129.9
	C	---		---		89.7		167.8	114.3
	1	---		---		95.8	130.2	125.4	110.5
	D	---		---		91.2		179.8	161.1
	9	---		---		104.5	174.7	161.6	131.8
	F(2)	---		---		81.9		95.1	78.9
	F(1)	---		---		58.8		87.2	71.7
	4	---		---		115.0	200.8	162.9	173.3
	8	---		---		111.3	198.7	170.4	126.0
	10	---		---		114.3	171.8	200.0	139.2
	3	---		---		104.6	152.4	164.2	100.4

DATA SOURCE = SYRUP HOST MACHINE = H6080 MEMORY INTERLACE = OFF

TABLE 45C. AVERAGE MEMORY USED IN QUADRANT 3 (K WORDS)

CONFIGURATION	Code	8A	8B	8C	8D	8E	8F	8G	8H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	---	---	---	---	---		161.5	126.5
	A	---	---	---	---	---	0.0	**	147.9
	B	---	---	---	---	---		162.6	132.5
	2	---	---	---	---	---	127.2	154.4	130.9
	C	---	---	---	---	---		156.9	110.5
	1	---	---	---	---	---	76.0	70.7	75.8
	D	---	---	---	---	---		172.3	140.0
	9	---	---	---	---	---	177.9	155.8	178.5
	F(2)	---	---	---	---	---		104.9	106.9
	F(1)	---	---	---	---	---		104.1	22.0
	4	---	---	---	---	---	192.2	181.0	182.3
	8	---	---	---	---	---	190.2	161.2	165.7
	10	---	---	---	---	---	163.3	195.7	166.7
	3	---	---	---	---	---	183.1	169.9	153.4

DATA SOURCE = SYRUP HOST MACHINE = H6080 MEMORY INTERLACE = OFF

TABLE 45D. AVERAGE MEMORY USED IN QUADRANT 4 (K WORDS)

CONFIGURATION	Code	8A	8B	8C	8D	8E	8F	8G	8H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	---	---	---	---	---	---	---	121.2
	A	---	---	---	---	---	---	---	151.0
	B	---	---	---	---	---	---	---	151.0
	2	---	---	---	---	---	---	---	92.0
	C	---	---	---	---	---	---	---	124.6
	1	---	---	---	---	---	---	---	27.6
	D	---	---	---	---	---	---	---	121.9
	9	---	---	---	---	---	---	---	151.9
	F(2)	---	---	---	---	---	---	---	46.9
	F(1)	---	---	---	---	---	---	---	77.7
	4	---	---	---	---	---	---	---	157.5
	8	---	---	---	---	---	---	---	169.3
	10	---	---	---	---	---	---	---	180.5
	3	---	---	---	---	---	---	---	116.1

DATA SOURCE = SYRUP HOST MACHINE = H6080 MEMORY INTERLACE = OFF

TABLE 46A. AVERAGE COUNT OF CONNECTS FOR IOM-O, CHANNEL 8

CONFIGURATION	Code	8A	8B	8C	8D	8E	8F	8G	8H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E					37.0		45.4	47.0
	A					97.8	184.5	**	209.1
	B					194.8		198.8	204.4
	2					203.3	187.8	224.9	206.0
	C					203.4		215.5	203.4
	1					175.3	173.8	174.9	200.6
	D					211.5		226.7	224.2
	9					251.2	232.2	194.0	**
	F(2)					222.2		233.8	236.5
	F(1)					276.9		273.5	282.6
	4					252.5	233.4	211.3	202.8
	8					248.5	235.7	183.9	192.9
	10					251.0	207.3	234.8	194.3
	3					253.6	245.4	242.3	225.5

DATA SOURCE = SYRUP HOST MACHINE = H6080 MEMORY INTERLACE = OFF

TABLE 46B. AVERAGE COUNT OF CONNECTS FOR IOM-0, CHANNEL 9

CONFIGURATION	Code	8A	8B	8C	8D	8E	8F	8G	8H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E					0.0		0.0	0.0
	A					0.0	0.2	**	0.6
	B					0.9		2.2	2.5
	2					5.2	4.3	10.3	8.0
	C					6.7		14.1	15.9
	1					8.9	11.3	17.6	13.1
	D					17.1		29.7	25.7
	9					29.3	28.4	31.6	**
	F(2)					14.7		18.8	15.3
	F(1)					15.1		11.7	11.4
	4					38.4	30.7	37.7	22.5
	8					32.4	29.1	31.5	20.9
	10					26.1	27.7	35.8	26.6
	3					32.5	27.3	32.9	26.6

DATA SOURCE = SYRUP HOST MACHINE = H6080 MEMORY INTERLACE = OFF

TABLE 46C. AVERAGE COUNT OF CONNECTS FOR IOM-O, CHANNEL 10

CONFIGURATION	Code	8A	8B	8C	8D	8E	8F	8G	8H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E					1.8		3.9	3.4
	A					21.7	59.9	**	82.2
	B					50.3		104.8	108.4
	2					39.7	53.8	114.1	88.5
	C					76.1		134.5	118.1
	1					42.3	63.9	66.2	49.3
	D					97.8		190.0	184.3
	9					89.5	184.7	156.7	**
	F(2)					56.4		73.2	69.1
	F(1)					47.6		52.9	56.2
	4					69.6	180.5	166.7	201.8
	8					79.1	191.3	171.6	154.4
	10					80.8	160.7	188.7	188.7
	3					111.2	177.9	188.1	160.8

DATA SOURCE = SYRUP HOST MACHINE = H6080 MEMORY INTERLACE = OFF

TABLE 46D. AVERAGE COUNT OF CONNECTS FOR IOM-O, CHANNEL 11

CONFIGURATION	Code	8A	8B	8C	8D	8E	8F	8G	8H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E					0.0		0.1	0.1
	A					2.4	10.5	**	22.9
	B					5.7		33.7	42.9
	2					6.2	19.5	50.7	37.3
	C					8.6		73.1	42.5
	1					1.5	4.6	6.5	2.2
	D					14.2		98.4	99.1
	9					8.9	128.3	76.5	**
	F(2)					6.9		9.4	6.7
	F(1)					6.6		5.7	6.9
	4					6.1	123.6	120.5	147.6
	8					7.4	115.1	132.3	113.6
	10					6.3	96.8	124.9	144.3
	3					40.3	115.1	117.7	96.2

DATA SOURCE = SYRUP HOST MACHINE = H6080 MEMORY INTERLACE = OFF

TABLE 47A. AVERAGE COUNT OF CONNECTS FOR IOM-1, CHANNEL 8

CONFIGURATION	Code	8A	8B	8C	8D	8E	8F	8G	8H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E					23.8		30.5	32.2
	A					70.1	154.8	**	169.1
	B					144.7		183.6	182.3
	2					125.4	114.3	195.5	178.0
	C					166.5		197.5	178.9
	1					193.4	194.0	187.8	201.5
	D					188.7		239.1	235.0
	9					208.8	240.8	212.9	**
	F(2)					180.5		176.0	177.3
	F(1)					139.7		145.6	140.1
	4					167.9	244.8	187.4	228.7
	8					183.6	239.1	208.6	224.4
	10					191.8	209.2	242.9	227.7
	3					191.9	204.6	214.6	220.2

DATA SOURCE = SYRUP HOST MACHINE = H6080 MEMORY INTERLACE = OFF

TABLE 47B. AVERAGE COUNT OF CONNECTS FOR IOM-1, CHANNEL 9

CONFIGURATION	Code	8A	8B	8C	8D	8E	8F	8G	8H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E					0.0		0.0	0.0
	A					0.0	0.1	**	1.6
	B					0.0		1.2	2.4
	2					0.1	1.0	4.1	4.0
	C					0.1		10.3	2.8
	1					0.0	0.0	0.0	0.0
	D					0.2		10.7	11.1
	9					0.1	20.4	13.8	**
	F(2)					0.1		0.2	0.1
	F(1)					0.1		0.1	0.1
	4					0.0	23.3	18.6	27.5
	8					0.1	23.1	27.5	23.7
	10					0.1	20.0	20.6	30.0
	3					4.1	18.5	21.2	23.8

DATA SOURCE = SYRUP HOST MACHINE = H6080 MEMORY INTERLACE = OFF

TABLE 47C. AVERAGE COUNT OF CONNECTS FOR IOM-1, CHANNEL 10

CONFIGURATION	Code	8A	8B	8C	8D	8E	8F	8G	8H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E					6.5		11.2	12.1
	A					47.6	87.3	**	114.2
	B					119.7		142.0	138.4
	2					158.7	120.6	158.8	145.4
	C					52.9		163.0	153.2
	1					149.6	135.2	130.6	132.7
	D					168.0		191.2	185.8
	9					231.8	173.7	172.9	**
	F(2)					165.0		191.0	174.9
	F(1)					171.9		161.4	168.2
	4					232.8	210.3	188.4	171.2
	8					231.6	208.7	161.2	159.4
	10					213.4	176.6	213.1	163.4
	3					226.9	180.8	192.0	189.1

DATA SOURCE = SYRUP HOST MACHINE = H6080 MEMORY INTERLACE = OFF

TABLE 47D. AVERAGE COUNT OF CONNECTS FOR IOM-1, CHANNEL 11

CONFIGURATION	Code	8A	8B	8C	8D	8E	8F	8G	8H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E					0.3		0.4	0.8
	A					9.9	18.7	**	25.4
	B					37.8		60.3	57.8
	2					85.9	51.6	87.7	75.7
	C					88.1		105.2	105.4
	1					69.3	77.1	76.8	79.2
	D					111.6		143.6	134.0
	9					151.7	126.8	137.9	**
	F(2)					93.5		115.0	99.7
	F(1)					82.5		66.8	73.6
	4					183.9	146.6	152.8	112.6
	8					162.3	146.7	129.6	110.1
	10					148.8	113.5	164.4	117.9
	3					162.3	122.6	149.2	126.9

DATA SOURCE = SYRUP HOST MACHINE = H6080 MEMORY INTERLACE = OFF

TABLE 48. TOTAL CONNECTS FOR WORKLOAD ONLY

CONFIGURATION									
	Code	8A	8B	8C	8D	8E	8F	8G	8H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E					5,960	5,717	5,713	5,681
	A					36,296	36,043	35,927	35,905
	B					42,076	41,805	41,824	41,706
	2					37,756	37,588	35,564	37,557
	C					50,721	50,494	50,502	50,462
	1					121,741	121,632	121,633	121,632
	D					107,435	107,006	107,023	106,985
	9					176,387	176,099	176,098	176,036
	F(2)					63,966	63,793	63,793	63,793
	F(1)					92,848	92,722	92,731	92,720
	4					242,654	242,434	242,411	242,366
	8					188,200	187,958		187,907
	10					315,397	315,121	315,149	315,078
	3					159,176	158,903	158,966	158,907

DATA SOURCE = MSM HOST MACHINE = H6080 MEMORY INTERLACE = OFF

TABLE 49. TOTAL ELAPSED TIME (MINUTES)

CONFIGURATION	Code	8A	8B	8C	8D	8E	8F	8G	8H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	54.901	51.516	27.160	26.344	18.458	17.725	14.384	13.667
	A	36.042	33.886	18.112	17.442	12.297	12.099	9.883	9.764
	B	33.407	31.527	17.079	16.096	11.842	11.779	9.391	9.259
	2	---	---	---	---	---	---	---	---
	C	29.470	27.828	15.849	14.581	11.369	10.967	9.382	8.845
	1	---	---	---	---	---	---	---	---
	D	37.636	36.023	24.615	20.738	19.825	17.047	15.370	16.359
	9	---	---	---	---	---	---	---	---
	F(2)	14.603	13.360	14.900	11.580	12.727		12.094	12.436
	F(1)	21.397	23.453	20.895	21.079	18.833	23.716	18.491	21.341
	4	---	---	---	---	---	---	---	---
	8	---	---	---	---	---	---	---	---
	10	---	---	---	---	---	---	---	---
	3	---	---	---	---	---	---	---	---

DATA SOURCE = GESEP HOST MACHINE = H6080 MEMORY INTERLACE = ON

TABLE 50. TOTAL PROCESSOR TIME (MINUTES)

CONFIGURATION	Code	8A	8B	8C	8D	8E	8F	8G	8H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	52.379	49.536	51.503	50.373	51.936	50.616	53.382	51.432
	A	31.709	30.031	31.314	30.527	31.349	30.713	32.288	31.004
	B	28.680	27.167	28.288	27.631	28.241	27.882	29.118	28.155
	2	---	---	---	---	---	---	---	---
	C	24.162	22.932	23.786	23.227	23.802	23.522	24.428	23.476
	1	---	---	---	---	---	---	---	---
	D	27.538	26.181	27.101	26.498	26.629	26.518	27.059	26.385
	9	---	---	---	---	---	---	---	---
	F(2)	6.291	6.068	6.262	6.064	6.090		5.962	5.987
	F(1)	8.166	7.930	8.168	7.901	7.993	7.858	7.875	7.827
	4	---	---	---	---	---	---	---	---
	8	---	---	---	---	---	---	---	---
	10	---	---	---	---	---	---	---	---
	3	---	---	---	---	---	---	---	---

DATA SOURCE = GESEP HOST MACHINE = H6080 MEMORY INTERLACE = ON

TABLE 51. TOTAL CHANNEL TIME (MINUTES)

CONFIGURATION	Code	8A	8B	8C	8D	8E	8F	8G	8H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	0.926	0.945	0.922	0.951	0.963	1.015	0.990	1.002
	A	10.868	12.344	13.029	14.313	15.192	15.372	16.563	16.487
	B	14.560	16.588	16.421	18.043	19.586	19.142	20.303	20.509
	2	---	---	---	---	---	---	---	---
	C	18.618	21.957	23.594	23.786	23.942	25.379	24.719	24.981
	1	---	---	---	---	---	---	---	---
	D	51.137	54.277	50.949	55.157	53.072	52.989	51.599	53.472
	9	---	---	---	---	---	---	---	---
	F(2)	28.310	28.611	28.422	27.744	27.878		28.400	28.208
	F(1)	39.910	41.839	39.596	42.044	38.443	40.759	38.642	41.876
	4	---	---	---	---	---	---	---	---
	8	---	---	---	---	---	---	---	---
	10	---	---	---	---	---	---	---	---
	3	---	---	---	---	---	---	---	---

DATA SOURCE = GESEP HOST MACHINE = H6080 MEMORY INTERLACE = ON

TABLE 52. CHANNEL TIME/PROCESSOR TIME

	Code	8A	8B	8C	8D	8E	8F	8G	8H
CONFIGURATION	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.01
	A	0.34	0.41	0.41	0.46	0.48	0.50	0.51	0.53
	B	0.50	0.61	0.58	0.65	0.69	0.68	0.69	0.72
	2	---	---	---	---	---	---	---	---
	C	0.77	0.95	0.99	1.02	1.00	1.07	1.01	1.06
	1	---	---	---	---	---	---	---	---
	D	1.85	2.07	1.87	2.08	1.99	1.99	1.90	2.02
	9	---	---	---	---	---	---	---	---
	F(2)	4.50	4.71	4.53	4.57	4.57		4.76	4.71
	F(1)	4.88	5.27	4.84	5.32	4.80	5.18	4.90	5.34
	4	---	---	---	---	---	---	---	---
	8	---	---	---	---	---	---	---	---
	10	---	---	---	---	---	---	---	---
	3	---	---	---	---	---	---	---	---

DATA SOURCE = GESEP HOST MACHINE = H6080 MEMORY INTERLACE = ON

TABLE 53. MPD MAXIMUM VALUE

CONFIGURATION	Code	8A	8B	8C	8D	8E	8F	8G	8H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORK.JADS	E	16	28	16	29	24		33	34
	A	16	28	16	28	23		32	34
	B	16	27	16	27	22		31	34
	2	---	---	---	---	---	---	---	---
	C	16	27	16	25	22		30	34
	1	---	---	---	---	---	---	---	---
	D	16	28	16	**	23		34	34
	9	---	---	---	---	---	---	---	---
	F(2)	12	20	13	19	17	17	20	21
	F(1)	14	21	14	20	18		26	27
	4	---	---	---	---	---	---	---	---
	8	---	---	---	---	---	---	---	---
	10	---	---	---	---	---	---	---	---
	3	---	---	---	---	---	---	---	---

DATA SOURCE = SYRUP HOST MACHINE = H6080 MEMORY INTERLACE = ON

TABLE 54. MPD AVERAGE VALUE

CONFIGURATION	Code	8A	8B	8C	8D	8E	8F	8G	8H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	12.1	20.5	11.7	20.8	15.8		23.8	25.2
	A	11.0	19.4	10.7	18.7	13.8		21.9	24.0
	B	11.1	15.7	10.7	18.4	13.7		19.5	22.3
	2	---	---	---	---	---	---	---	---
	C	10.8	16.7	9.6	17.2	13.3		18.8	20.9
	1	---	---	---	---	---	---	---	---
	D	11.2	19.9	9.6	**	13.6		23.6	24.5
	9	---	---	---	---	---	---	---	---
	F(2)	7.5	8.8	7.1	10.7	5.3	9.3	9.9	11.8
	F(1)	6.4	7.7	6.4	9.3	7.1		10.4	11.1
	4	---	---	---	---	---	---	---	---
	8	---	---	---	---	---	---	---	---
	10	---	---	---	---	---	---	---	---
	3	---	---	---	---	---	---	---	---

DATA SOURCE = SYRUP HOST MACHINE = H6080 MEMORY INTERLACE = ON

TABLE 55. AVERAGE PROCESSOR UTILIZATION FOR USER PROGRAMS (PERCENTAGE)

CONFIGURATION	Code	8A	8B	8C	8D	8E	8F	8G	8H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	93.9	95.3	92.7	93.4	86.6		90.8	89.8
	A	84.1	86.5	85.0	84.5	75.4		76.3	72.3
	B	86.0	68.9	82.4	85.0	73.5		67.8	69.3
	2	---	---	---	---	---	---	---	---
	C	79.2	73.3	69.0	78.4	66.1		57.7	61.1
	1	---	---	---	---	---	---	---	---
	D	72.0	72.1	49.0	**	40.3		42.2	39.1
	9	---	---	---	---	---	---	---	---
	F(2)	39.0	34.2	18.4	25.0	7.1	15.2	11.3	11.3
	F(1)	32.8	27.5	16.6	18.1	10.4		9.4	8.6
	4	---	---	---	---	---	---	---	---
	8	---	---	---	---	---	---	---	---
	10	---	---	---	---	---	---	---	---
	3	---	---	---	---	---	---	---	---

DATA SOURCE = SYRUP HOST MACHINE = H6080 MEMORY INTERLACE = ON

TABLE 56. AVERAGE PROCESSOR UTILIZATION FOR SYSTEM PROGRAMS (PERCENTAGE)

CONFIGURATION	Code	8A	8B	8C	8D	8E	8F	8G	8H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	3.9	3.2	3.3	2.8	2.8		2.3	2.2
	A	10.3	9.6	10.2	9.1	8.6		8.5	8.1
	B	12.1	9.2	11.7	11.0	10.2		9.7	10.1
	2	---	---	---	---	---	---	---	---
	C	14.7	13.1	13.7	14.1	12.5		10.8	11.6
	1	---	---	---	---	---	---	---	---
	D	21.4	22.8	15.2	**	12.5		13.0	12.5
	9	---	---	---	---	---	---	---	---
	F(2)	29.6	25.1	14.0	17.9	5.4	11.1	8.7	8.9
	F(1)	26.0	21.2	13.6	14.0	8.4		7.8	7.0
	4	---	---	---	---	---	---	---	---
	8	---	---	---	---	---	---	---	---
	10	---	---	---	---	---	---	---	---
	3	---	---	---	---	---	---	---	---

DATA SOURCE = SYRUP HOST MACHINE = H6080 MEMORY INTERLACE = ON

TABLE 57. AVERAGE IOM UTILIZATION FOR USER PROGRAMS (PERCENTAGE)

CONFIGURATION	Code	8A	8B	8C	8D	8E	8F	8G	8H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	0.0	0.0	0.1	0.1	0.0		0.3	0.0
	A	0.8	0.2	0.3	0.3	0.3		0.0	0.0
	B	0.9	0.8	0.3	2.1	0.3		0.2	0.1
	2	---	---	---	---	---	---	---	---
	C	12.5	1.3	1.2	0.0	1.4		0.0	0.1
	1	---	---	---	---	---	---	---	---
	D	7.4	3.5	3.0	**	2.5		0.0	0.0
	9	---	---	---	---	---	---	---	---
	F(2)	2.9	0.7	2.0	0.0	0.5	1.1	0.4	0.7
	F(1)	3.3	1.9	0.8	1.8	0.9		0.4	0.0
	4	---	---	---	---	---	---	---	---
	8	---	---	---	---	---	---	---	---
	10	---	---	---	---	---	---	---	---
	3	---	---	---	---	---	---	---	---

DATA SOURCE = SYRUP HOST MACHINE = H6080 MEMORY INTERLACE = ON

TABLE 58. AVERAGE IOM UTILIZATION FOR SYSTEM PROGRAMS (PERCENTAGE)

CONFIGURATION	Code	8A	8B	8C	8D	8E	8F	8G	8H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	2.9	1.7	2.5	1.8	1.9		1.0	1.2
	A	5.5	4.2	5.1	4.3	4.1		3.5	2.7
	B	5.7	4.0	5.3	4.6	4.4		3.5	3.0
	2	---	---	---	---	---	---	---	---
	C	7.1	4.9	6.0	4.5	4.6		3.0	3.1
	1	---	---	---	---	---	---	---	---
	D	6.0	4.3	3.9	**	2.9		2.2	2.1
	9	---	---	---	---	---	---	---	---
	F(2)	8.5	5.1	3.6	3.8	1.3	2.2	1.6	1.7
	F(1)	5.6	3.6	3.0	2.4	1.6		1.1	1.0
	4	---	---	---	---	---	---	---	---
	8	---	---	---	---	---	---	---	---
	10	---	---	---	---	---	---	---	---
	3	---	---	---	---	---	---	---	---

DATA SOURCE = SYRUP HOST MACHINE = H6080 MEMORY INTERLACE = ON

TABLE 59A. AVERAGE PROCESSOR TIME ACTIVE FOR PO (PERCENTAGE)

CONFIGURATION	Code	8A	8B	8C	8D	8E	8F	8G	8H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	97.8	98.5	95.1	95.4	87.6		89.4	90.4
	A	94.5	96.2	94.1	93.2	81.3		83.5	77.9
	B	98.1	78.4	92.5	95.3	80.1		74.5	76.6
	2	---	---	---	---	---	---	---	---
	C	93.9	86.6	81.0	90.3	73.7		62.8	68.5
	1	---	---	---	---	---	---	---	---
	D	93.5	94.9	61.1	**	48.4		51.9	50.0
	9	---	---	---	---	---	---	---	---
	F(2)	68.8	59.6	30.6	41.5	13.6	27.7	27.9	28.6
	F(1)	58.9	48.9	28.5	29.1	21.0		25.3	22.9
	4	---	---	---	---	---	---	---	---
	8	---	---	---	---	---	---	---	---
	10	---	---	---	---	---	---	---	---
	3	---	---	---	---	---	---	---	---

DATA SOURCE = SYRUP HOST MACHINE = H6080 MEMORY INTERLACE = ON

TABLE 59B. AVERAGE PROCESSOR TIME ACTIVE FOR P1 (PERCENTAGE)

CONFIGURATION	Code	8A	8B	8C	8D	8E	8F	8G	8H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	---	---	97.1	97.2	88.0		91.6	90.7
	A	---	---	96.5	94.1	83.5		83.4	77.5
	B	---	---	95.8	96.7	83.5		75.4	76.6
	2	---	---	---	---	---	---	---	---
	C	---	---	84.2	94.7	77.6		64.0	69.5
	1	---	---	---	---	---	---	---	---
	D	---	---	67.3	**	47.2		40.2	37.1
	9	---	---	---	---	---	---	---	---
	F(2)	---	---	34.3	44.7	6.2	14.0	1.9	1.6
	F(1)	---	---	31.9	35.2	8.5		0.8	0.6
	4	---	---	---	---	---	---	---	---
	8	---	---	---	---	---	---	---	---
	10	---	---	---	---	---	---	---	---
	3	---	---	---	---	---	---	---	---

DATA SOURCE = SYRUP HOST MACHINE = H6080 MEMORY INTERLACE = ON

TABLE 59C. AVERAGE PROCESSOR TIME ACTIVE FOR P2 (PERCENTAGE)

CONFIGURATION	Code	8A	8B	8C	8D	8E	8F	8G	8H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	---	---	---	---	92.7		97.7	92.0
	A	---	---	---	---	87.2		84.0	80.1
	B	---	---	---	---	87.8		78.1	79.7
	2	---	---	---	---	---	---	---	---
	C	---	---	---	---	85.0		69.2	72.8
	1	---	---	---	---	---	---	---	---
	D	---	---	---	---	62.8		57.5	52.0
	9	---	---	---	---	---	---	---	---
	F(2)	---	---	---	---	18.2	37.3	13.0	12.8
	F(1)	---	---	---	---	27.4		8.9	7.5
	4	---	---	---	---	---	---	---	---
	8	---	---	---	---	---	---	---	---
	10	---	---	---	---	---	---	---	---
	3	---	---	---	---	---	---	---	---

DATA SOURCE = SYRUP HOST MACHINE = H6080 MEMORY INTERLACE = ON

TABLE 59D. AVERAGE PROCESSOR TIME ACTIVE FOR P3 (PERCENTAGE)

CONFIGURATION									
	Code	8A	8B	8C	8D	8E	8F	8G	8H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	**E**	---	---	---	---	---	---	94.1	95.1
	A	---	---	---	---	---	---	88.6	86.5
	B	---	---	---	---	---	---	82.5	85.0
	2	---	---	---	---	---	---	---	---
	C	---	---	---	---	---	---	78.7	80.3
	1	---	---	---	---	---	---	---	---
	D	---	---	---	---	---	---	71.4	67.5
	9	---	---	---	---	---	---	---	---
	F(2)	---	---	---	---	---	---	37.6	38.2
	F(1)	---	---	---	---	---	---	34.1	31.6
	4	---	---	---	---	---	---	---	---
	8	---	---	---	---	---	---	---	---
	10	---	---	---	---	---	---	---	---
	3	---	---	---	---	---	---	---	---

DATA SOURCE = SYRUP HOST MACHINE = H6080 MEMORY INTERLACE = ON

TABLE 60A. AVERAGE PROCESSOR TIME OVERHEAD FOR P0 (PERCENTAGE)

CONFIGURATION	Code	8A	8B	8C	8D	8E	8F	8G	8H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	2.5	2.1	3.7	3.0	4.3		4.6	4.6
	A	8.0	7.8	15.2	13.9	19.4		24.8	24.0
	B	9.7	7.6	18.1	17.3	23.6		29.1	30.8
	2	---	---	---	---	---	---	---	---
	C	12.1	11.2	21.3	22.8	29.4		33.2	36.3
	1	---	---	---	---	---	---	---	---
	D	19.4	21.2	25.3	**	30.2		41.1	39.8
	9	---	---	---	---	---	---	---	---
	F(2)	26.5	23.1	21.9	29.0	12.5	26.3	27.3	28.1
	F(1)	23.9	19.8	21.4	22.6	19.9		24.9	22.5
	4	---	---	---	---	---	---	---	---
	8	---	---	---	---	---	---	---	---
	10	---	---	---	---	---	---	---	---
	3	---	---	---	---	---	---	---	---

DATA SOURCE = SYRUP HOST MACHINE = H6080 MEMORY INTERLACE = ON

TABLE 60B. AVERAGE PROCESSOR TIME OVERHEAD FOR P1 (PERCENTAGE)

CONFIGURATION	Code	8A	8B	8C	8D	8E	8F	8G	8H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	---	---	0.9	0.9	0.4		0.1	0.1
	A	---	---	1.0	1.0	0.9		0.9	0.9
	B	---	---	1.1	1.1	1.1		1.3	1.1
	2	---	---	---	---	---	---	---	---
	C	---	---	1.5	1.5	1.5		1.4	1.5
	1	---	---	---	---	---	---	---	---
	D	---	---	2.4	**	1.9		1.8	1.5
	9	---	---	---	---	---	---	---	---
	F(2)	---	---	3.3	4.0	0.6	1.4	0.1	0.1
	F(1)	---	---	3.3	3.5	1.0		0.0	0.0
	4	---	---	---	---	---	---	---	---
	8	---	---	---	---	---	---	---	---
	10	---	---	---	---	---	---	---	---
	3	---	---	---	---	---	---	---	---

DATA SOURCE = SYRUP HOST MACHINE = H6080 MEMORY INTERLACE = ON

TABLE 60C. AVERAGE PROCESSOR TIME OVERHEAD FOR P2 (PERCENTAGE)

CONFIGURATION	Code	8A	8B	8C	8D	8E	8F	8G	8H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	---	---	---	---	0.3		0.1	0.1
	A	---	---	---	---	0.9		0.9	0.9
	B	---	---	---	---	1.0		1.1	1.2
	2	---	---	---	---	---	---	---	---
	C	---	---	---	---	1.5		1.6	1.4
	1	---	---	---	---	---	---	---	---
	D	---	---	---	---	2.3		2.4	2.2
	9	---	---	---	---	---	---	---	---
	F(2)	---	---	---	---	---	3.3	1.3	1.3
	F(1)	---	---	---	---	1.6		1.0	0.8
	4	---	---	---	---	2.8	---	---	---
	8	---	---	---	---	---	---	---	---
	10	---	---	---	---	---	---	---	---
	3	---	---	---	---	---	---	---	---

DATA SOURCE = SYRUP HOST MACHINE = H6080 MEMORY INTERLACE = ON

TABLE 60D. AVERAGE PROCESSOR TIME OVERHEAD FOR P3 (PERCENTAGE)

CONFIGURATION	Code	8A	8B	8C	8D	8E	8F	8G	8H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	---	---	---	---	---	---	0.1	0.1
	A	---	---	---	---	---	---	1.0	1.0
	B	---	---	---	---	---	---	1.1	1.2
	2	---	---	---	---	---	---	---	---
	C	---	---	---	---	---	---	1.4	1.6
	1	---	---	---	---	---	---	---	---
	D	---	---	---	---	---	---	2.6	2.7
	9	---	---	---	---	---	---	---	---
	F(2)	---	---	---	---	---	---	3.4	3.5
	F(1)	---	---	---	---	---	---	3.4	3.0
	4	---	---	---	---	---	---	---	---
	8	---	---	---	---	---	---	---	---
	10	---	---	---	---	---	---	---	---
	3	---	---	---	---	---	---	---	---

DATA SOURCE = SYRUP HOST MACHINE = H6080 MEMORY INTERLACE = ON

TABLE 61A. AVERAGE MEMORY USED IN QUADRANT 1 (K WORDS)

CONFIGURATION									
	Code	8A	8B	8C	8D	8E	8F	8G	8H
	CPUs	**1**	**1**	**2**	**2**	**3**	**3**	**4**	**4**
	SCUs	**1**	**2**	**2**	**3**	**3**	**4**	**3**	**4**
	IOMs	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**
	Core	**256K**	**512K**	**256K**	**512K**	**384K**	**768K**	**768K**	**1024K**
WORKLOADS	**E**	237.0	210.8	233.4	217.0	217.0		170.4	136.5
	A	233.3	217.2	232.9	207.5	207.6		163.0	161.7
	B	234.9	191.0	232.3	204.7	212.8		164.0	141.6
	2	---	---	---	---	---	---	---	---
	C	231.5	192.3	220.9	200.2	211.3		172.8	145.0
	1	---	---	---	---	---	---	---	---
	D	232.5	216.3	215.8	**	212.4		174.8	157.1
	9	---	---	---	---	---	---	---	---
	F(2)	197.3	135.1	192.1	142.2	110.5	128.2	71.5	115.3
	F(1)	173.1	107.0	171.5	131.5	134.3		100.2	105.0
	4	---	---	---	---	---	---	---	---
	8	---	---	---	---	---	---	---	---
	10	---	---	---	---	---	---	---	---
	3	---	---	---	---	---	---	---	---

DATA SOURCE = SYRUP HOST MACHINE = H6080 MEMORY INTERLACE = ON

TABLE 61B. AVERAGE MEMORY USED IN QUADRANT 2 (K WORDS)

CONFIGURATION	Code	8A	8B	8C	8D	8E	8F	8G	8H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	---	208.5	---	200.2	104.6		197.0	130.6
	A	---	217.2	---	200.5	98.3		172.6	138.9
	B	---	166.0	---	208.6	100.2		150.1	123.5
	2	---	---	---	---	---	---	---	---
	C	---	188.4	---	202.7	99.2		132.9	130.5
	1	---	---	---	---	---	---	---	---
	D	---	213.6	---	**	98.1		175.6	128.7
	9	---	---	---	---	---	---	---	---
	F(2)	---	113.9	---	151.9	58.0	49.2	122.0	45.1
	F(1)	---	106.6	---	118.0	60.0		99.1	69.3
	4	---	---	---	---	---	---	---	---
	8	---	---	---	---	---	---	---	---
	10	---	---	---	---	---	---	---	---
	3	---	---	---	---	---	---	---	---

DATA SOURCE = SYRUP HOST MACHINE = H6080 MEMORY INTERLACE = ON

TABLE 61C. AVERAGE MEMORY USED IN QUADRANT 3 (K WORDS)

CONFIGURATION	Code	8A	8B	8C	8D	8E	8F	8G	8H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	---	---	---	---	---	---	153.2	134.1
	A	---	---	---	---	---	---	184.0	131.7
	B	---	---	---	---	---	---	169.2	121.2
	2	---	---	---	---	---	---	---	---
	C	---	---	---	---	---	---	152.9	103.5
	1	---	---	---	---	---	---	---	---
	D	---	---	---	---	---	---	183.7	126.6
	9	---	---	---	---	---	---	---	---
	F(2)	---	---	---	---	---	93.5	91.4	39.1
	F(1)	---	---	---	---	---	---	82.6	29.2
	4	---	---	---	---	---	---	---	---
	8	---	---	---	---	---	---	---	---
	10	---	---	---	---	---	---	---	---
	3	---	---	---	---	---	---	---	---

DATA SOURCE = SYRUP HOST MACHINE = H6080 MEMORY INTERLACE = ON

TABLE 61D. AVERAGE MEMORY USED IN QUADRANT 4 (K WORDS)

CONFIGURATION	Code	8A	8B	8C	8D	8E	8F	8G	8H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	---	---	---	---	---	---	---	140.6
	A	---	---	---	---	---	---	---	145.3
	B	---	---	---	---	---	---	---	157.7
	2	---	---	---	---	---	---	---	---
	C	---	---	---	---	---	---	---	139.9
	1	---	---	---	---	---	---	---	---
	D	---	---	---	---	---	---	---	159.4
	9	---	---	---	---	---	---	---	---
	F(2)	---	---	---	---	---	---	---	109.3
	F(1)	-	---	---	---	---	---	---	75.1
	4	--	---	---	---	---	---	---	---
	8	---	---	---	---	---	---	---	---
	10	---	---	---	---	---	---	---	---
	3	---	---	---	---	---	---	---	---

DATA SOURCE = SYRUP HOST MACHINE = H6080 MEMORY INTERLACE = ON

TABLE 62A. AVERAGE COUNT OF CONNECTS FOR IOM-0, CHANNEL 8

CONFIGURATION	Code	8A	8B	8C	8D	8E	8F	8G	8H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	21.9	16.0	41.1	31.2	48.4		46.5	49.5
	A	113.2	102.2	185.8	164.7	193.7		200.0	180.0
	B	139.0	97.8	199.4	195.6	217.7		192.5	187.5
	2	---	---	---	---	---	---	---	---
	C	169.3	141.0	206.0	222.5	252.3		192.8	219.8
	1	---	---	---	---	---	---	---	---
	D	208.0	191.7	214.1	**	228.4		222.7	224.1
	9	---	---	---	---	---	---	---	---
	F(2)	234.0	184.5	232.0	237.7	111.9	210.4	226.8	240.8
	F(1)	254.3	226.8	259.3	280.4	226.1		277.8	271.1
	4	---	---	---	---	---	---	---	---
	8	---	---	---	---	---	---	---	---
	10	---	---	---	---	---	---	---	---
	3	---	---	---	---	---	---	---	---

DATA SOURCE = SYRUP HOST MACHINE = H6080 MEMORY INTERLACE = ON

TABLE 62B. AVERAGE COUNT OF CONNECTS FOR IOM-0, CHANNEL 9

CONFIGURATION	Code	8A	8B	8C	8D	8E	8F	8G	8H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	0.0	0.0	0.0	0.0	0.0		0.0	0.0
	A	0.0	0.0	0.0	0.0	0.7		1.0	0.9
	B	0.0	0.0	0.2	0.1	2.5		4.4	3.9
	2	---	---	---	---	---	---	---	---
	C	0.0	0.0	0.8	0.9	7.6		11.4	11.9
	1	---	---	---	---	---	---	---	---
	D	0.0	0.0	8.1	**	20.3		26.1	34.8
	9	---	---	---	---	---	---	---	---
	F(2)	0.0	0.0	4.3	19.4	10.1	16.0	17.9	15.0
	F(1)	0.0	0.0	8.0	12.1	13.0		16.2	8.0
	4	---	---	---	---	---	---	---	---
	8	---	---	---	---	---	---	---	---
	10	---	---	---	---	---	---	---	---
	3	---	---	---	---	---	---	---	---

DATA SOURCE = SYRUP HOST MACHINE = H6080 MEMORY INTERLACE = ON

TABLE 62C. AVERAGE COUNT OF CONNECTS FOR IOM-0, CHANNEL 10

CONFIGURATION	Code	8A	8B	8C	8D	8E	8F	8G	8H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	0.7	0.7	1.3	1.6	2.6		3.1	4.3
	A	4.3	9.0	15.5	26.4	43.2		85.1	83.4
	B	8.4	8.3	27.1	38.8	57.4		103.0	109.0
	2	---	---	---	---	---	---	---	---
	C	14.6	17.4	43.8	57.0	86.3		127.3	144.9
	1	---	---	---	---	---	---	---	---
	D	38.8	46.5	60.5		108.4		184.3	176.1
	9	---	---	---	---	---	---	---	---
	F(2)	52.7	51.9	37.7	91.3	28.7	97.6	93.5	91.1
	F(1)	44.9	38.9	40.8	54.7	40.0		63.9	45.6
	4	---	---	---	---	---	---	---	---
	8	---	---	---	---	---	---	---	---
	10	---	---	---	---	---	---	---	---
	3	---	---	---	---	---	---	---	---

DATA SOURCE = SYRUP HOST MACHINE = H6080 MEMORY INTERLACE = ON

TABLE 62D. AVERAGE COUNT OF CONNECTS FOR IOM-0, CHANNEL 11

CONFIGURATION	Code	8A	8B	8C	8D	8E	8F	8G	8H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	0.0	0.0	0.0	0.0	0.0		0.1	0.1
	A	0.0	0.2	0.8	2.9	4.8		25.3	32.7
	B	0.7	0.3	2.0	3.4	6.1		41.1	52.6
	2	---	---	---	---	---	---	---	---
	C	0.9	3.0	3.1	12.1	12.8		56.0	72.7
	1	---	---	---	---	---	---	---	---
	D	2.2	18.9	5.4	**	17.5		123.4	87.8
	9	---	---	---	---	---	---	---	---
	F(2)	3.8	2.6	3.6	8.4	3.6	12.2	12.0	11.9
	F(1)	1.7	1.3	3.4	6.7	4.1		6.8	4.2
	4	---	---	---	---	---	---	---	---
	8	---	---	---	---	---	---	---	---
	10	---	---	---	---	---	---	---	---
	3	---	---	---	---	---	---	---	---

DATA SOURCE = SYRUP HOST MACHINE = H6080 MEMORY INTERLACE = ON

TABLE 63A. AVERAGE COUNT OF CONNECTS FOR IOM-1, CHANNEL 8

CONFIGURATION									
	Code	8A	8B	8C	8D	8E	8F	8G	8H
	CPUs	**1**	**1**	**2**	**2**	**3**	**3**	**4**	**4**
	SCUs	**1**	**2**	**2**	**3**	**3**	**4**	**3**	**4**
	IOMs	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**
	Core	**256K**	**512K**	**256K**	**512K**	**384K**	**768K**	**768K**	**1024K**
WORKLOADS	**E**	13.8	10.7	25.8	21.1	31.3		33.4	33.8
	A	63.9	70.6	122.7	112.1	139.8		174.0	166.3
	B	73.2	73.5	136.1	147.8	156.7		178.2	182.3
	2	---	---	---	---	---	---	---	---
	C	95.2	98.0	150.9	168.6	186.4		196.3	204.8
	1	---	---	---	---	---	---	---	---
	D	132.8	130.0	165.9	**	195.7		230.8	226.3
	9	---	---	---	---	---	---	---	---
	F(2)	168.3	150.3	146.9	215.3	82.2	206.0	192.9	203.7
	F(1)	144.6	110.9	128.6	144.5	117.2		160.7	138.4
	4	---	---	---	---	---	---	---	---
	8	---	---	---	---	---	---	---	---
	10	---	---	---	---	---	---	---	---
	3	---	---	---	---	---	---	---	---

DATA SOURCE = SYRUP HOST MACHINE = H6080 MEMORY INTERLACE = ON

TABLE 63B. AVERAGE COUNT OF CONNECTS FOR IOM-1, CHANNEL 9

CONFIGURATION	Code	8A	8B	8C	8D	8E	8F	8G	8H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	0.0	0.0	0.0	0.0	0.0		0.0	0.0
	A	0.0	0.0	0.0	0.0	0.0		2.1	2.0
	B	0.0	0.0	0.0	0.0	0.0		3.5	4.7
	2	---	---	---	---	---	---	---	---
	C	0.0	0.0	0.0	0.2	0.2		5.7	6.2
	1	---	---	---	---	---	---	---	---
	D	0.0	0.0	0.0	**	0.4		17.4	12.7
	9	---	---	---	---	---	---	---	---
	F(2)	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.4
	F(1)	0.0	0.0	0.0	0.1	0.0		0.0	0.0
	4	---	---	---	---	---	---	---	---
	8	---	---	---	---	---	---	---	---
	10	---	---	---	---	---	---	---	---
	3	---	---	---	---	---	---	---	---

DATA SOURCE = SYRUP HOST MACHINE = H6080 MEMORY INTERLACE = ON

TABLE 63C. AVERAGE COUNT OF CONNECTS FOR IOM-1, CHANNEL 10

CONFIGURATION									
	Code	8A	8B	8C	8D	8E	8F	8G	8H
	CPUs	**1**	**1**	**2**	**2**	**3**	**3**	**4**	**4**
	SCUs	**1**	**2**	**2**	**3**	**3**	**4**	**3**	**4**
	IOMs	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**
	Core	**256K**	**512K**	**256K**	**512K**	**384K**	**768K**	**768K**	**1024K**
WORKLOADS	**E**	2.0	2.5	4.3	6.3	8.1		11.9	12.8
	A	15.5	15.0	67.2	62.6	102.2		117.8	110.4
	B	25.7	17.1	98.6	85.8	145.4		134.1	134.3
	2	---	---	---	---	---	---	---	---
	C	29.9	31.2	130.8	124.7	174.6		164.2	179.9
	1	---	---	---	---	---	---	---	---
	D	83.5	82.4	165.6	**	195.6		199.5	185.9
	9	---	---	---	---	---	---	---	---
	F(2)	179.0	138.7	174.8	187.9	90.0	158.0	176.1	184.7
	F(1)	144.5	125.0	160.8	165.9	147.8		154.4	167.2
	4	---	---	---	---	---	---	---	---
	8	---	---	---	---	---	---	---	---
	10	---	---	---	---	---	---	---	---
	3	---	---	---	---	---	---	---	---

DATA SOURCE = SYRUP HOST MACHINE = H6080 MEMORY INTERLACE = ON

TABLE 63D. AVERAGE COUNT OF CONNECTS FOR IOM-1, CHANNEL 11

CONFIGURATION	Code	8A	8B	8C	8D	8E	8F	8G	8H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOMs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	0.0	0.0	0.1	0.2	0.3		0.5	0.6
	A	0.9	0.7	8.3	9.6	31.4		38.5	39.4
	B	3.3	1.6	21.4	13.0	55.6		64.2	64.1
	2	---	---	---	---	---	---	---	---
	C	6.2	6.4	40.3	34.5	92.7		101.5	98.1
	1	---	---	---	---	---	---	---	---
	D	41.9	41.0	90.1	**	139.6		144.1	151.6
	9	---	---	---	---	---	---	---	---
	F(2)	78.3	83.0	77.0	135.4	63.2	103.2	107.7	110.6
	F(1)	62.3	46.1	75.9	73.9	86.7		89.2	61.9
	4	---	---	---	---	---	---	---	---
	8	---	---	---	---	---	---	---	---
	10	---	---	---	---	---	---	---	---
	3	---	---	---	---	---	---	---	---

DATA SOURCE = SYRUP HOST MACHINE = H6080 MEMORY INTERLACE = ON

TABLE 64. TOTAL CONNECTS FOR WORKLOAD ONLY

CONFIGURATION	Code	8A	8B	8C	8D	8E	8F	8G	8H
	CPUs	1	1	2	2	3	3	4	4
	SCUs	1	2	2	3	3	4	3	4
	IOPs	2	2	2	2	2	2	2	2
	Core	256K	512K	256K	512K	384K	768K	768K	1024K
WORKLOADS	E	6,551	5,757	6,289	5,857	6,050	5,704	5,698	5,681
	A	36,824	36,238	36,571	36,100	36,215	35,963	35,971	35,905
	B	42,564	41,921	42,387	41,952	42,006	41,731	41,730	41,707
	2	---	---	---	---	---	---	---	---
	C	51,304	50,653	51,158	50,540	50,703	50,493	50,500	50,463
	1	---	---	---	---	---	---	---	---
	D	107,778	107,157	107,621	107,094	107,375	107,018	107,021	106,985
	9	---	---	---	---	----	---	---	---
	F(2)	64,164	63,825	64,056	63,802	63,927	63,793	63,793	63,793
	F(1)	93,068	92,794	93,211	92,800	92,932	92,722	92,724	92,720
	4	---	---	---	---	----	---	---	---
	8	---	---	---	---	---	---	---	---
	10	---	---	---	---	---	---	---	---
	3	---	---	---	---	---	---	---	---

DATA SOURCE = MSM HOST MACHINE = H6080 MEMORY INTERLACE = ON

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